



Open Source Used In Cisco Unified Contact Center Remote Expert Mobile 11.5(1)

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2.1 ant 1.8.2

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Holders of Crypto Workshop Support Contracts. Currently 20 hours of consulting time left over from these has been contributed back to working on the Bouncy Castle APIs. You know who you are!

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People

-
- Tito Pena <Fortunato.Pena@AdNovum.CH> - initial RC5 implementation
- Michael Lee <yfl@mira.net> - initial RC6 implementation, MD2 implementation
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- Soren Hilmer <hilmer@mail.tele.dk> - initial implementation of netscape certificate request classes.
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- Ly-Na Phu <lyna.phu@init-consulting.de> - assistance in the addition of ISO 9796-1 padding.
- Stefan Köpsell <sk13@mail.inf.tu-dresden.de> - making the jdk 1.1 version of the collections API available. For further details see http://sourceforge.net/projects/jcf/
- Carmen Bastiaans <cbastiaa@microbits.com.au> - fixing the improper null pointer problem in the setting of certificates in the PKCS12 key store.
- Tomas Gustavsson <tomasg@primekey.se> - initial implementation of the AuthorityInformationAccess, SubjectKeyIdentifier, AuthorityKeyIdentifier, CRLNumber, CRLReason, CertificatePolicies, V2TBSCertListGenerator, and X509V2CRLGenerator classes in the ASN.1 library. Additions to GeneralName class, other bug fixes in the X.509 package. Initial implementation of the CertificationRequest classes. getRevocationReason() patch for OCSP. Patch to SemanticsInformation to prevent ClassCastException.
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Mike Bean <mbean@lucentradius.com> - fixing the fall through bug in the IV algorithm parameters class.

Martin Petraschek <e9526225@student.tuwien.ac.at> - fixing ASN1 tagging so tag values up to 30 are now supported.

Jess Garms <jgarms@yahoo.com> - fixing 112/168 key size bug for DESede key generation.

Mike Bremford <mike@big.faceless.org> - contributing the initial PKCS7 implementation.

Shankar Srinivasan <ssr002@yahoo.com> - S/Mime interoperability testing and debugging.

Stef Hoeben <ilsestef@skynet.be> - adding Montgomery multiplication to the BigInteger class.

Klaudiusz Ciosk <kciosk@max.com.pl> - improving the compatibility of the SMIME package with the Sun JCE.

Thomas Houtekier <Thomas.Houtekier@tctrade.net> - S/Mime testing and debugging. Interoperability with Biztalk.

Don Hillsberry <hillsber@dialcorp.com> - S/Mime testing and debugging.

Kazuo Furuya <kfuruya@infoteria.co.jp> - fixing root certificate chaining bug in PKCS12 key store.

Jason Novotny <jdnovotny@lbl.gov> - initial work on the openSSL PEM processing.

Joel Hockey <joel.hockey@qsipayments.com> - initial work on the openSSL PEM processing.

John Steenbruggen <JohnS@geotrust.com> - fixing CertificationRequestInfo to handle cert request info objects without attribute blocks.

Justin Chapweske <justin@chapweske.com> - ordering patch for Tiger message digest.

John Serock <jserock@hotmail.com> - fixing null pointer exception in constructor for ExtendedKeyUsage. Fixing of base OID bug in KeyPurposeId. Compliance of KeyUsage extension return value with security API.

Sascha Weinreuter <Sascha.Weinreuter@cit.de> - fixed SMIME saveChanges() bug.

Andre Wehnert <aw5@mail.inf.tu-dresden.de> - fixing key schedule problem in RC5-64, fixing buffer cleaning issue in buffered block cipher.

- Luigi Lo Iacono <lo_iacono@nue.et-inf.uni-siegen.de>; - adding SIC mode to the blockciphers in the provider.
- Tim Sakach <tsakach@certivo.net>; - SMIME v2 compatibility patches.
- Marcus Povey <mpovey@brookes.ac.uk>; - adding the PGP mode to the lightweight API and the provider.
- Sebastian Clau <sc2@inf.tu-dresden.de>; - adding randomness setting to the certificate and CRL generators.
- Nicolas Bielza <nicolas.bielza@alligacom.com>; - isolating the tagging bug in the ASN.1 library that was misrepresenting some ASN.1 constructed data types. Contributions to the streaming S/MIME classes.
- Casey Marshall <rsdio@metastatic.org>; - fixing the clone problem with Macs in the clean room JCE.
- Rick Zeldes <rick.zeldes@eds.com>; - initial code for CMS/SMIME CompressedData.
- Jarek Gawor <gawor@mcs.anl.gov>; - fixing ASN.1 sequence unpacking in BasicConstraints constructor.
- Brett Neumeier <random@rnd.cx>; - patch to OriginatorIdentifierOrKey object, improvements to encoders package, introduction of UrlBase64.
- Graham Coles <graham.coles@retail-logic.com>; - patch to isParityAdjusted in DESKeySpec.
- Jörn von Kattchée <J.Kattchee@seeburger.de>; - patch to SMIMEGenerator for preventing class cast exceptions with BodyParts containing Multipart objects.
- Matteo Artuso <matartuso@libero.it>; - picking up the possible overread in ASN1InputStream.
- Julian Morrison <julian@extropy.demon.co.uk>; - spotting the slow down in Diffie-Hellman key generation.
- Elmar Sonnenschein <eso@esomail.de>; - fix to long conversion in clean room SecureRandom.
- Jörn Schwarze <JSchwarze@ulc.de>; - Locale fix for the clean room JCE.
- Bryan Lovquist <bkl@cps.com.au>; - Other provider compatibility fixes for CMS signing.
- Artem Portnoy <Artem_Portnoy@ibi.com>; - generalisations for CMSProcessableBodyPart in S/MIME. Header fix for mime messages.
- Michael Häusler <haeusler@ponton-consulting.de>; - missing OID update for SHA1 with RSA Signature.
- Johan Seland <johans@netfonds.no>; - general toString for BigInteger class.
- Johannes Nicolai <johannes.nicolai@novosec.com>; - further enhancements to OCSP response generation, fix to CertificateID issuer.
- Marc Doberva <marc.doberva@ilex-si.com>; - help in isolating the JSSE/BC RSA key issue.
- Jan Dvorak <jan.dvorak@mathan.cz>; - initial implementation of the light weight Null block cipher.
- Joe Cohen <jcohen@forumsys.com>; - converting the ArrayOutOfBoundsException in DERInputStream into what it should have been.
- Chris Long <aclong@ece.cmu.edu>; - adding public key decoding to PEMReader.
- Hes Siemelink <hes@izecom.com>; - findIssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.
- Stefan Puiu <stefanpuiu@yahoo.com>; - initial implementation V3 policy mapping, policy qualifier objects in ASN.1 X.509 package.
- Kaiser Yang <kaiseryang@yahoo.com>; - Finding BigInteger loop problem in prime generation.
- Jiri Urbanec <jiri.urbanec@logicacmg.com>; - patch to fix defect in DERBMPString.equals().
- Justin Kolb <jkolb@pristx.com>; - patch to DSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.
- Ralf Hauser <ralfhauser@gmx.ch>; - patch to exception handling in PublicKeyRing, PEMReader, 1.4

build script, X509 Certificate Factory, CertPathValidatorUtilities.

Michal Dvorak <M_Dvorak@kb.cz> - getNextUpdate patch for OCSP SingleResp.

Klaus Greve Fiorentini <Klaus@cpqd.com.br> - array fix in PGP PublicKeyEncSessionPacket.

Olivier Refalo <Olivier_Refalo@fpl.com> - null pointer exception fix for JDK 1.3 CMSSignedData objects.

Mariusz Bandola <mariusz.bandola@cryptotech.com.pl> - patch to DERGeneralizedTime. Compliance patch for OCSP TBSRequest class. Patch to X509Name for delaing with general objects in sequences.

Brien Oberstein <brien.oberstein@transacttools.net> - patch to S2K algorithm in OpenPGP, initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIPEMD160 addition to PGPUtil.

Ian Haywood <ian@haywood.bpa.nu> - addition of getSignatureType to PGPSignature.

Jonathan Edwards <s34gull@mac.com> - initial support for reading multiple rings from a PGP key file.

Andrew Thornton <andrew@caret.cam.ac.uk> - patch for RSA PUBLIC KEY in PEMReader.

Gregor Leander <gl@bos-bremen.de> - initial parsing of multiple sequence entries in an X.500 Name.

Antoon Bosselaers <Antoon.Bosselaers@esat.kuleuven.ac.be> - help with RipeMD320 implementation.

Peter Sylvester <Peter.Sylvester@edelweb.fr> - improvements to the ASN.1 BasicConstraints object.

Doug <ummmmm@myrealbox.com> - addition of isEncryptionKey method to OpenPGP public keys.

Francois Staes <fstaes@netconsult.be> - improvements to DEBitString, DERGeneralizedTime and initial implimentation of DERGeneralString, addition of settable signed content info to CMSSignedDataGenerator, patch to DH key agreement.

W.R. Dittmer <wdittmer@cs.vu.nl> - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPPublicKeyPair to fix nullpointer exception.

Perez Paz Luis Alberto <laperez@banxico.org.mx> - patch to use of BitString in X.500 name.

James Wright <James_Wright@harte-hanks.com> - patches for dealing with "odd" ArmoredInputStreams.

Jim Ford <jim@muirford.com> - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.

Michael Hausler <haeusler@ponton-consulting.de> - extra aliases for provider.

Sai Pullabhotla <psai@linoma.com> - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.

Joseph Miller <joseph@digiweb.net.nz> - addition of ZeroBytePadding.

Lars <xyz@sagemdenmark.dk> - patch to explicit padded mode for CBC block cipher MAC.

Jeroen van Vianen <jeroen@vanvianen.nl> - the Signed and Encrypted mail example.

Jun Sun <JSun@diversinet.com> - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.

Petr Dukem <pdukem@email.cz> - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.

Filipe Silva <filipe.silva@wedoconsulting.com> - patch to fix overread issue in BCPGInputStream.

Alpesh Parmar <alps@linuxmail.org> - patch for class cast problem in PGPPublicKey.getSignatures().

Jay Gengelbach <jgengelbach@webmethods.com> - patch to fix isSigningKey in PGPSecretKey

class, patch to hashedPackets in PGP signatureGenerator, initial cut for indefinite length output.

Doug <doug@tigerprivacy.com> - public key ring patches for ElGamal Signatures, problem key ring data.

Matthew Mundy <mmundy1@umbc.edu> - infinite loop prevention patch to PKCS5S2ParametersGenerator.

Tom Cargill <cargill@profcon.com> - spelling patch in provider.

Breitenstrom Christian <C.Breitenstrom@t-systems.com> - compatibility patch to SignaturePacket, DetachedSignatureProcessor.

Zanotti Mirko <zanotti@cad.it> - patch to ordered equality test for X509Name.

Nicola Scendoni <nscendoni@babelps.it> - patch to add sorting to CertPath validation.

Ville Skytt@iki.fi> - patch to CRLDistPoint for cRLIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Exception handling patch in PEMReader.

Bruce Gordon <bruce.gordon@savvis.net> - patch to secret key creation encoding NullPointerException in OpenPGP, speed up for BCPGInputStream.

Miles Whiteley <Miles.Whiteley@savvis.net> - "223" fix for BCPGInputStream new packets.

Albert Moliner <amoliner@evintia.com> - initial TSP implementation.

Carlos Lozano <carlos@evintia.com> - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.

Javier Delgadillo <javi@javi.codewarp.org> - initial Mozilla PublicKeyAndChallenge classes.

Joni Hahkala <joni.hahkala@cern.ch> - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the EGEE project for making the work available.

Rolf Schillinger<rolf@sir-wum.de> - initial implementation of Attribute Certificate generation.

Sergey Bahtin <Sergey_Bahtin@yahoo.com> - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode (GOFB) and GOST-3411.

Franck Leroy <Franck.Leroy@keynectis.com> - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.

Atsuhiko Yamanaka <ymnk@jcraft.com> - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.

Nickolay Bolshakov <tyrex@reksoft.ru> - patch for class cast exception in AuthorityInformationAccess class.

Soren Hilmer <soren.hilmer@tietoenator.com> - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.

Steve Mitchell <mitchell@intertrust.com> - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP. Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.

Dirk Eisner <D.Eisner@seeburger.de> - initial implementation of ISO 78164-4 padding.

Julien Pasquier <julienpasquier@free.fr> - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.

Matteo <matartuso@libero.it> - sequence patch to ASN1Dump.

Andrew Paterson <andrew.paterson@burnsecs.com> - patches to PGP tools, isRevoked method on PGPPublicKey.

Vladimir Molotkov <vladimir.n.molotkov@intel.com> - extensive provider exception handling compliance testing.

- Florin Kollan <adlocflo@web.de>; - fix to ElGamalKeyParameters equality testing.
- Pavel Vassiliev <paulvas@gmail.com>; - Initial GOST28147Mac implementation.
- Tom Pesman <tom@tnux.net>; - addition of DES-EDE encryption for RSAPrivate keys to PEMWriter.
- Lukasz Kowalczyk <lukasz.b.kowalczyk@gmail.com>; - patch to fix parsing issue with OpenSSL PEM based certificate requests.
- Arndt Hasch <Arndt.Hasch@maxence.de>; - additional fix for partial reading with new style PGP packets.
- Fix Bernd (KCDP 11) <bernd.fix@credit-suisse.com>; - fix for 31 byte issue and exception throwing by Whirlpool.
- David M. Lee <dmlee@Crossroads.com>; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.
- Mike Dillon <md5@embody.org>; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.
- tu-vi cung <t2cung@hotmail.com>; - patch for out of bounds problem in getDecoderStream method.
- Chris Schultz <cschultz@gmail.com>; - fix for InputStream constructor for X509V2AttributeCertificate.
- David M. Lee <dmlee@Crossroads.com>; - implementation assistance with streaming CMS classes.
- Joel Rees <rees@ddcom.co.jp>; - fix to correct getOID methods from returning same set on X.509 attribute certificates.
- Francesc Sau <francesc.sau@partners.netfocus.es>; - micro fix for tsp Accuracy class.
- Larry Bugbee <bugbee@mac.com>; - initial ECNR implementation.
- Remi Blancher <Remi.Blancher@keynectis.com>; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.
- Brian O'Rourke <brianorourke@gmail.com>; - patch for signature creation time override in OpenPGP.
- Andreas Schwier <andreas.schwier@cardcontact.de>; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.
- David Josse <david.josse@transacttools.net>; - Patch for trailer function in version 2 signature packets.
- Kishimoto Kazuhiko <kazu-k@hi-ho.ne.jp>; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.
- Lawrence Tan <lwrnctan@gmail.com> - Large field OID sample test data. Missing key types in JDKKeyFactory.
- Carlos Valiente <superdupont@gmail.com>; - Addition of CRL writing to the PEMWriter class.
- Keyon AG, Martin Christinat, http://www.keyon.ch - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.
- Olaf Keller, <olaf.keller.bc@bluewin.ch>; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.
- Jörg Eichhorn <eichhorn@ponton-consulting.de>; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.
- Karsten Ohme <widerstand@t-online.de>; - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp,

contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name typos for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings.

Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design.

CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.

Carlos Lozano Ruiz <carlos@tradise.com>; - patch for <ctrl>;<m>; only handling in CRLFOutputStream.

John Alfred Prufrock <j.a.prufrock@gmail.com>; - mods to GOST-3411 and MD2 to support ExtendedDigest.

Stefan Neusatz Guilhen <sneusatz@gmail.com>; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.

Marzio Lo Giudice <marzio.logiudice@gmail.com>; - fix to endianness in KDF2BytesGenerator, additional KDF2 tests.

Georg Lippold <georg.lippold@gmx.de>; - initial implementation of NaccacheStern cipher.

Chris Viles <chris_viles@yahoo.com>; - fix to SignatureSubpacket critical bit setting.

Pasi Eronen <Pasi.Eronen@nokia.com>; - extra toString() support for ASN.1 library. Initial patch for large OID components.

Lijun Liao <lijun.liao@rub.de>; - performance enhancements for SHA family of digests. Bug report and patch for blank line handling in ArmoredInputStream.

Maria Ivanova <maria.ivanova@gmail.com>; - support for tags > 30 in ASN.1 parsing.

Armin Hüberling <arminha@student.ethz.ch>; - first cut of internationalisation, initial PKIX validation classes.

Marius Schilder <mschilder@google.com>; - main set of test vectors for Bleichenbacher's forgery attack.

Xavier Le Vourch <xavier@brittanysoftware.com>; - general code clean ups.

Erik Tews <e_tews@cdc.informatik.tu-darmstadt.de>; - initial threaded random seed generator.

Thomas Dixon <reikomusha@gmail.com>; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.

Frank Cornelis <info@frankcornelis.be>;- addition of crlAccessMethod in X509ObjectIdentifiers.

Rui Joaquim <rjoaquim@cc.isel.ipl.pt>; - initial implementation of RSA blinding for signatures.

David Stacey <DStacey@allantgroup.com>; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.

Martijn Brinkers <list@mitm.nl>; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.

Julius Davies <juliusdavies@gmail.com>; - additional modes and algorithm support in PEMReader

Matthias <g@rtner.de>; - GnuPG compatibility changes for PBEFileProcessor.

Olga Küthler <olga.kaethler@hjp-consulting.com>; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.

Germano Rizzo <germano.rizzo@gmail.com>; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.

Núria Marí <numaa@hotmail.com>; - patch for alternate data type recognition in

CMSSignedDataParser.
Janis Schuller <js@tzi.de> - addition of NotationData packets for OpenPGP.
Michael Samblanet <mike@samblanet.com> - patches towards improved Sun/default provider support in CMS.
Mike StJohns <mstjohns@comcast.net> - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA.
Ramon Keller <ramon.keller@gmx.ch> - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.
Mark Nelson <mark@nbr.com> - correction to excluded DN in name constraints processing for PKIX processing.
Eugene Golushkov <eugene_gff@ukr.net> - mask fix to single byte read in TlsInputStream.
Julien Pasquier <julienpasquier@free.fr> - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.
Peter Knopp <pknopp@mtg.de> - fix for named curve recognition in ECGOST key generation.
Jakub Gwozdz <gwozdziu@rpg.pl> - addition of getTsa() to TimestampTokenInfo.
Bartosz Malkowski <bmalkow@tigase.org> - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.
Tal Yacobi <tal.yacobi@octavian-tech.com> - fix for issue in OpenPGP examples [#BJA-55].
Massimiliano Ziccardi <massimiliano.ziccardi@gmail.com> - support for counter signature reading in CMS API, update for multiple counter signature attributes.
Andrey Pavlenko <andrey.a.pavlenko@gmail.com> - security manager patch for PKCS1Encoding property check.
Mike StJohns <mstjohns@comcast.net> - updates to KeyPurposeId
J Ross Nicoll <jrn@jrn.me.uk> - improved exception handling for getInstance() in ASN.1 library.
Matthew Stevenson <mavricknz@yahoo.com> - patch to construtor for CRMF CertSequence.
Gabriele Contini <gcontini@hotpop.com> - identified a bug in ASN.1 library with handling of unterminated NDEF's.
Roelof Naude <roelof.naude@epiuse.com> - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.
Patrick Peck <peck@signaturen.at> - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.
Michael LeMay <lemaymd@lemaymd.com> - identified problem with EAX [#BJA-93].
Alex Dupre <ale@FreeBSD.org> - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102]
Michael Schoene <michael@sigrid-und-michael.de> - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimestampResponse.validate().
Ion Larrañaga <ilarra@s21sec.com> fix to default partial packet generation in BCPGOutputStream.
Bob Kerns <bob.kerns@positscience.com> fix to hashCode for X509CertificateObject.
Stefan Meyer <stefan.meyer@ewe.de> backport for PKIXCertPathValidotor and SMIMESignedMailReviewer.
Robert J. Moore <Robert.J.Moore@allanbank.com> speedups for OpenPGPCFB mode, clean room JCE patches.
Rui Hodai <rui@po.ntts.co.jp> speed ups for Camellia implementation, CamelliaLightEngine.
Emir Bucalovic <emir.bucalovic@mail.com> initial implementation of Grain-v1 and Grain-

- 128.
- Torbjorn Svensson <tobbe79@gmail.com> initial implementation of Grain-v1 and Grain-128.
- Paul FitzPatrick <bouncycastle_pfitz@fitzpatrick.cc> error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.
- Henrik Andersson <k.henrik.andersson@gmail.com> addition of UniqueIssuerID to certificate generation.
- Cagdas Cirit <cagdascirit@gmail.com> subjectAlternativeName fix for x509CertStoreSelector.
- Harakiri <harakiri_23@yahoo.com> datahandler patch for attached parts in SMIME signatures.
- Pedro Henriques <pmahenriques@gmail.com> explicit bounds checking for DESKeyGenerator, code simplification for OAPEncoding.
- Lothar Kimmeringer <job@kimmeringer.de> verbose mode for ASN1Dump, support for DERExternal.
- Richard Farr <rfarr.se@gmail.com> initial SRP-6a implementation.
- Thomas Castiglione <castiglione@au.ibm.com> patch to encoding for CRMF OptionalValidity.
- Elisabetta Romani <eromani@sopei.it> patch for recognising multiple counter signatures.
- Robin Lundgren <r737lundgren@gmail.com> CMPCertificate constructor from X509CertificateStructure fix.
- Petr Kadlec <mormegil@centrum.cz> fix to sign extension key and IV problem in HC-128, HC-256.
- Andreas Antener <antener_a@gmx.ch> fix to buffer reset in AsymmetricBufferedBlockCipher.
- Harendra Rawat <hsrawat@yahoo.com> fix for BERConstructedOctetString.
- Rolf Lindemann <lindemann@trustcenter.de> patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].
- Alex Artamonov <alexart.home@gmail.com> name look up patch for GOST-2001 parameters.
- Mike Lyons <mlyons@layer7tech.com> work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.
- Chris Cole <chris_h_cole@yahoo.com> identified a problem handling null passwords when loading a BKS keystore.
- Tomas Krivanek <tom@atack.cz> added checking of Sender header to SignedMailValidator.
- Michael <emfau@t-online.de> correction of field error in getResponse method in CertRepMessage.
- Trevor Perrin <trevor@cryptography.com> addition of constant time equals to avoid possible timing attacks.
- Markus Kilås <markus@primekey.se> several enhancements to TimeStampResponseGenerator.
- Dario Novakovic <darionis@yahoo.com> fix for NPE when checking revocation reason on CRL without extensions.
- Michael Smith <msmith@cbnco.com> bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.
- Andrea Zilio <andrea.zilio@gmail.com> fix for PEM password encryption of private keys.
- Alex Birkett <alex@birkett.co.uk> added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].
- Wayne Grant <waynedgrant@gmail.com> additional OIDs for PKCS10 and certificate generation support.
- Frank Cornelis <info@frankcornelis.be> additional support classes for CADES, enhancements to OCSP classes.
- Jan Dittberner <jan@dittberner.info> addHeader patch for SMIME generator.
- Bob McGowan <boab.mcgoo@btinternet.com> patch to support different content and mgf digests in

PSS signing.

- Ivo Matheis <i.matheis@seeburger.de> fix to padding verification in ISO-9796-1.
- Marco Sandrini <nessche@gmail.com> patch to add IV to ISO9797Alg3Mac.
- Alf Malf <alfilmalf@hotmail.com> removal of unnecessary limit in CMSContentInfoParser.
- Alfonso Massa <alfonso.massa@insiel.it> contributions to CMS time stamp classes.
- Giacomo Boccardo <gboccardo@unimaticaspa.it> initial work on CMSTimeStampedDataParser.
- Arnis Tartu <arnis@ut.ee> patches for dealing with OIDs with specific key sizes associated in CMS.
- Janusz SikociDski <J.Sikocinski@gdzie.pl> addition of Features subpacket support to OpenPGP API.
- Juri Hudolejev <jhudolejev@gmail.com> JavaDoc fix to CMSSignedDataParser.
- Liane Velten <liane.velten@hjp-consulting.com> fine tuning of code for DHParameters validation.
- Shawn Willden <swillden@google.com> additional functionality to PGPKeyRing.
- Atanas Krachev <akrachev@gmail.com> added support for revocation signatures in OpenPGP.
- Mickael Laiking <mickael.laiking@keynectis.com> initial cut of EAC classes.
- Tim Bukt <tbukt@hotmail.com> Initial implementation of NTRU signing and encryption.
- Bernd <rbernd@gmail.com> Fix for open of PGP literal data stream with UTF-8 naming.
- Steing Inge Morisbak <stein.inge.morisbak@BEKK.no> Test code for lower case Hex data in PEM headers.
- Andreas Schmid <andreas.schmid@tngtech.com> Additional expiry time check in PGPPublicKeys.
- Phil Steitz <phil.steitz@gmail.com> Final patch eliminating JCE dependencies in the OpenPGP BC classes.
- Ignat Korchagin <ignat.korchagin@gmail.com> Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.
- Petar Petrov <p.petrov@bers-soft.com> Testing and debugging of UTF-8 OpenPGP passwords.
- Daniel Fitzpatrick <daniel.f.nwr@gmail.com> Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.
- Andy Neilson <Andy.Neilson@quest.com>a further patches to deal with multiple providers and PEMReader.
- Ted Shaw <xiao.xj@gmail.com> patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.
- Eleriseth <Eleriseth@WPECGLtYbVi8Rl6Y7Vzl2Lv2EUVW99v3yNV3IWROG8.fms> speed up for SIC/CTR mode. Provider compatibilty generalisations for EC operations.
- Kenny Root <kenny@the-b.org> patch for issuerAltName, subjectAltName support in X509CertificateObject
- Maarten Bodewes <maarten.bodewes@gmail.com> initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.
- Philip Clay <pilf_b@yahoo.com> Initial implementation of J-PAKE.
- Brian Carlstrom <bdc@carlstrom.com> compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, intial provider PBKDF2WithHmacSHA1 SecretKeyFactory.
- Samuel Lidén Borell <samuel@primekey.se> patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder
- Sergio Demian Lerner <sergiolerner@certimix.com> pointing out isInfinity issue in ECDSASigner

signature verification.
Tim Whittington <Tim.Whittington@064orionhealth.com> patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20 and Threefish. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD.
Marcus Lundblad <marcus.lundblad@064primekey.se> patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator.
Andrey Zhozhin <zhozhin@064xrm.ru> patch for override of TSP SignerInfo attributes.
Sergey Tiunov <t5555d@064gmail.com> initial cut of DVCS classes.
Damian Kolasa <fatfredyy@064gmail.com> ASN1Sequence patch for class cast issue in X9Curve.
Ash Hughes <ashley.hughes@064blueyonder.co.uk> patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys.
Daniel Hirscher <dev@064daniel-hirscher.de> patch to support parsing of explicit EC parameters in PEM files.
Daniele Ricci <daniele.athome@064gmail.com> initial implementation of EC keys for OpenPGP and RFC6637 support.
Matti Aarnio <matti.aarnio@064methics.fi> tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes.
Babak Najafi <bnajafi@064akamai.com> fixes to OpenPGP NotationData to prevent truncation problems.
Eric Mueller <eric.mueller@064sage.de> additional standard algorithm name lookups in JcaPEMKeyConverter.
Mathias Herberts <Mathias.Herberts@064gmail.com> fix to inOff usage in RFC3394WrapEngine.
Daniil Ivanov <daniil.ivanov@064gmail.com> addition of provider support for GOST HMAC SecretKeyFactory.
Daniele Grasso <daniele.grasso86@064gmail.com> contributions to final Key calculation code for SRP6.
Andrey Utkin <cindrhc@064gmail.com> patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.
Arnis Tartu <arnis@064ut.ee> checker for generated key vs OID in JceCMSContentEncryptorBuilder.
AxelVDB <axel-vdb@064riseup.net> initial implementation of Shacal2.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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2.18 gstreamer 1.2.1

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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2.19 gstreamer-java 1.6

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2.20 guava 11.0.2

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* Hibernate, Relational Persistence for Idiomatic Java

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2.24 httpclient 4.2.1

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2.25 izpack 4.3.4

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2.29 jboss-as-protocol 7.1.2.Final

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Version 2.1, February 1999

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2.30 jboss-as-websockets 0.3

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 */
 package org.jboss.dmr;

```
import java.io.IOException;
import java.math.BigDecimal;
import java.math.BigInteger;
```

```
import org.yuanheng.cookcc.CookCCOption;
import org.yuanheng.cookcc.CookCCToken;
import org.yuanheng.cookcc.Lex;
import org.yuanheng.cookcc.Lexs;
import org.yuanheng.cookcc.Rule;
import org.yuanheng.cookcc.Rules;
import org.yuanheng.cookcc.TokenGroup;
import org.yuanheng.cookcc.TokenType;
```

```
@CookCCOption()
public class JSONParserImpl extends JSONParser {

    // tokenizer
    @CookCCToken
    enum Token {
        @TokenGroup
        OPEN_BRACE, CLOSE_BRACE, OPEN_BRACKET, CLOSE_BRACKET,

        // symbols and keywords
        @TokenGroup(type = TokenType.LEFT)
        COLON,

        @TokenGroup(type = TokenType.LEFT)
        COMMA,
```

```

@TokenGroup(type = TokenType.RIGHT)
BIG, INTEGER, DECIMAL,

@TokenGroup
UNDEFINED,

// value types
TRUE, FALSE,

INT_VAL, INT_HEX_VAL, LONG_VAL, LONG_HEX_VAL, DOUBLE_SPECIAL_VAL, DEC_VAL,
STR_VAL
}

@Lexs(patterns = { @Lex(pattern = "{", token = "OPEN_BRACE"), @Lex(pattern = "}", token =
"CLOSE_BRACE"),
    @Lex(pattern = "[", token = "OPEN_BRACKET"), @Lex(pattern = "]", token = "CLOSE_BRACKET"),
    @Lex(pattern = ",", token = "COMMA"), @Lex(pattern = ":", token = "COLON"), @Lex(pattern = "true",
token = "TRUE"),
    @Lex(pattern = "false", token = "FALSE"), @Lex(pattern = "big", token = "BIG"),
    @Lex(pattern = "decimal", token = "DECIMAL"), @Lex(pattern = "integer", token = "INTEGER"),
    @Lex(pattern = "null", token = "UNDEFINED" )})
protected Void parseToken() {
    return null;
}

@Lexs(patterns = { @Lex(pattern = "[+]?[0-9]+L", token = "LONG_VAL"),
    @Lex(pattern = "[+]?0x[0-9a-fA-F]+L", token = "LONG_HEX_VAL"), @Lex(pattern = "[+]?[0-9]+",
token = "INT_VAL"),
    @Lex(pattern = "[+]?0x[0-9a-fA-F]+", token = "INT_HEX_VAL"),
    @Lex(pattern = "[+]?([NaN|Infinity])", token = "DOUBLE_SPECIAL_VAL"),
    @Lex(pattern = "[+]?([0-9]+\\.?[0-9]+([eE][+]?[0-9]+)?)", token = "DEC_VAL" )})
protected String parsePlainValue() {
    return yyText();
}

@Lex(pattern = "\\\"([^\"]|\\\"|\\\\\\\\)*\\\"", token = "STR_VAL")
protected String parseStringValue() {
    final String yyText = yyText();
    final int length = yyText.length();
    final StringBuilder b = new StringBuilder(length);
    for (int i = 1; i < length - 1; i = yyText.offsetByCodePoints(i, 1)) {
        int ch = yyText.codePointAt(i);
        switch (ch) {
            case '\\': {
                i = yyText.offsetByCodePoints(i, 1);
                ch = yyText.codePointAt(i);
                switch (ch) {
                    case 'n':

```

```

        b.append('\n');
        break;
    case 'r':
        b.append('\r');
        break;
    case 'b':
        b.append('\b');
        break;
    case 'f':
        b.append('\f');
        break;
    case 'u':
        b.append((char) Integer.parseInt(yyText.substring(i + 1, i + 5)));
        i += 4;
        break;
    default:
        b.appendCodePoint(ch);
        break;
    }
    break;
}
default: {
    b.appendCodePoint(ch);
    break;
}
}
}
return b.toString();
}

```

```

@Lex(pattern = "[\\t\\r\\n]+")
protected void ignored() {
}

```

```

@Lex(pattern = ".")
protected void invalid() throws IOException {
    throw new IOException("Invalid character: " + yyText());
}

```

```

@Lex(pattern = "<<EOF>>", token = "$")
protected void parseEOF() {
}

```

```

private ModelNode result;

```

```

@Rule(lhs = "complete", rhs = "node", args = "1")
protected int parse(final ModelNode node) {
    result = node;
}

```



```

    return 0;
}

@Rules(rules = { @Rule(lhs = "node", rhs = "DEC_VAL", args = "1") })
protected ModelNode parseBigDecimal(final String arg) {
    return new ModelNode().set(new BigDecimal(arg));
}

@Rules(rules = { @Rule(lhs = "node", rhs = "INT_VAL", args = "1") })
protected ModelNode parseBigInteger(final String arg) {
    return new ModelNode().set(new BigInteger(arg));
}

@Rule(lhs = "node", rhs = "TRUE")
protected ModelNode parseTrue() {
    return new ModelNode().set(Boolean.TRUE);
}

@Rule(lhs = "node", rhs = "FALSE")
protected ModelNode parseFalse() {
    return new ModelNode().set(Boolean.FALSE);
}

@Rules(rules = { @Rule(lhs = "node", rhs = "INT_HEX_VAL", args = "1") })
protected ModelNode parseIntHex(final String arg) {
    return new ModelNode().set(Integer.parseInt(arg.substring(2), 16));
}

@Rules(rules = { @Rule(lhs = "node", rhs = "LONG_HEX_VAL", args = "1") })
protected ModelNode parseLongHex(final String arg) {
    return new ModelNode().set(Long.parseLong(arg.substring(2), 16));
}

@Rules(rules = { @Rule(lhs = "node", rhs = "OPEN_BRACKET CLOSE_BRACKET") })
protected ModelNode parseEmptyList() {
    return new ModelNode().setEmptyList();
}

@Rules(rules = { @Rule(lhs = "list", rhs = "OPEN_BRACKET node", args = "2") })
protected ModelNode parseStartList(final ModelNode child) {
    return new ModelNode().addNoCopy(child);
}

@Rules(rules = { @Rule(lhs = "list", rhs = "list COMMA node", args = "1 3") })
protected ModelNode parseListItem(final ModelNode list, final ModelNode child) {
    return list.addNoCopy(child);
}

```

```

@Rules(rules = { @Rule(lhs = "node", rhs = "list CLOSE_BRACKET", args = "1"),
    @Rule(lhs = "node", rhs = "list COMMA CLOSE_BRACKET", args = "1") })
protected ModelNode finishList(final ModelNode list) {
    return list;
}

@Rules(rules = { @Rule(lhs = "node", rhs = "OPEN_BRACE CLOSE_BRACE") })
protected ModelNode parseEmptyObject() {
    return new ModelNode().setEmptyObject();
}

@Rules(rules = { @Rule(lhs = "object", rhs = "OPEN_BRACE STR_VAL COLON node", args = "2 4") })
protected ModelNode parseStartObject(final String key, final ModelNode child) {
    if (TypeModelValue.TYPE_KEY.equals(key)) {
        return parseType(child.toString().replaceAll("\\\"", ""));
    } else if (BytesModelValue.TYPE_KEY.equals(key)) {
        return parseBase64(child.toString().replaceAll("\\\"", ""));
    } else if (ExpressionValue.TYPE_KEY.equals(key)) {
        return parseExpression(child.toString().replaceAll("\\\"", ""));
    } else if (PropertyModelValue.TYPE_KEY.equals(key)) {
        return parseProperty(child);
    } else {
        final ModelNode node = new ModelNode();
        node.get(key).setNoCopy(child);
        return node;
    }
}

@Rules(rules = { @Rule(lhs = "object", rhs = "object COMMA STR_VAL COLON node", args = "1 3 5") })
protected ModelNode parseObjectItem(final ModelNode object, final String key, final ModelNode child) {
    object.get(key).setNoCopy(child);
    return object;
}

@Rules(rules = { @Rule(lhs = "node", rhs = "object CLOSE_BRACE", args = "1"),
    @Rule(lhs = "node", rhs = "object COMMA CLOSE_BRACE", args = "1") })
protected ModelNode finishObject(final ModelNode object) {
    return object;
}

@Rules(rules = { @Rule(lhs = "node", rhs = "STR_VAL", args = "1") })
protected ModelNode parseString(final String arg) {
    return new ModelNode().set(arg);
}

@Rule(lhs = "node", rhs = "UNDEFINED")
protected ModelNode parseUndefined() {
    return new ModelNode();
}

```

```

}

private ModelNode parseType(final String arg) {
    return new ModelNode().set(ModelType.valueOf(arg));
}

private ModelNode parseBase64(final String arg) {
    final ModelNode node = new ModelNode();
    node.set(Base64.decode(arg));
    return node;
}

private ModelNode parseExpression(final String arg) {
    return new ModelNode().setExpression(arg);
}

private ModelNode parseProperty(final ModelNode value) {
    return new ModelNode().set(value.asProperty());
}

public ModelNode getResult() {
    return result;
}
}

```

2.32 jboss-ejb-api_3.1_spec 1.0.2.Final

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or

link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for

reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
- b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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That's all there is to it!

2.34 jboss-remoting 3.2.7.GA

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Version 2.1, February 1999

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of

its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form

under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies

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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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2.36 jboss-threads 2.0.0.GA

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 */

package org.jboss.threads;

import java.util.ArrayList;
import java.util.List;

/**
 * A simple shutdown-listenable registry.
 *
 * @author <a href="mailto:david.lloyd@redhat.com">David M. Lloyd</a>
 */
public final class SimpleShutdownListenable implements ShutdownListenable {
    private List<Registration<?>> list = new ArrayList<Registration<?>>();

    /** {@inheritDoc} */
    public <A> void addShutdownListener(final EventListener<A> shutdownListener, final A attachment) {
```

```

synchronized (this) {
    final Registration<A> reg = new Registration<A>(shutdownListener, attachment);
    if (list == null) {
        reg.run();
    } else {
        list.add(reg);
    }
}
}

/**
 * Run and remove all registered listeners, and mark this object as having been shut down so that
 * future listeners are invoked immediately.
 */
public void shutdown() {
    final List<Registration<?>> list;
    synchronized (this) {
        list = this.list;
        this.list = null;
    }
    if (list != null) {
        for (Registration<?> registration : list) {
            registration.run();
        }
    }
}

private static final class Registration<A> {
    private final EventListener<A> listener;
    private final A attachment;

    private Registration(final EventListener<A> listener, final A attachment) {
        this.listener = listener;
        this.attachment = attachment;
    }

    void run() {
        try {
            listener.handleEvent(attachment);
        } catch (Throwable t) {
            // todo log it
        }
    }
}
}
/**

```

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 */

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```
class SimpleDirectExecutor implements DirectExecutor {

    static DirectExecutor INSTANCE = new SimpleDirectExecutor();

    private SimpleDirectExecutor() {
    }

    public void execute(final Runnable command) {
        command.run();
    }

    public String toString() {
        return "Direct executor";
    }
}
```

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 */

```
package org.jboss.threads;
```

```
import java.util.concurrent.locks.Lock;
import java.util.concurrent.locks.Condition;
import java.util.concurrent.TimeUnit;
import java.util.Date;
```

```
/**
```

```
* A simple lock impl which does no deadlock detection, no fairness, no reentrancy protection, no error checking,  

* and has basically no frills whatsoever. Non-public due to its highly experimental nature. This probably won't  

work;
```

```
* in fact the only reason I'm even trying this is because I'm an obsessive moron.
```

```
*/
```

```
final class SimpleLock implements Lock {
```

```
    private boolean locked;
```

```
    public void lock() {
```

```
        boolean intr = Thread.interrupted();
```

```
        try {
```

```
            synchronized (this) {
```

```
                while (locked) {
```

```
                    try {
```

```
                        wait();
```

```
                    } catch (InterruptedException e) {
```

```
                        intr = true;
```

```
                    }
```

```
                }
```

```
                locked = true;
```

```
            }
```

```
        } finally {
```

```
            if (intr) Thread.currentThread().interrupt();
```

```
        }
```

```
    }
```

```
    public void lockInterruptibly() throws InterruptedException {
```

```
        synchronized (this) {
```

```
            while (locked) {
```

```
                wait();
```

```

    }
    locked = true;
}
}

public boolean tryLock() {
    synchronized (this) {
        if (locked) {
            return false;
        } else {
            locked = true;
            return true;
        }
    }
}

private static long clipHigh(long value) {
    return value < 0 ? Long.MAX_VALUE : value;
}

public boolean tryLock(final long time, final TimeUnit unit) throws InterruptedException {
    if (time < 0) {
        return tryLock();
    }
    long now = System.currentTimeMillis();
    long deadline = clipHigh(now + unit.toMillis(time));
    synchronized (this) {
        if (! locked) {
            return locked = true;
        }
        for (;;) {
            final long remaining = deadline - now;
            if (remaining <= 0) {
                return false;
            }
            wait(remaining);
            if (! locked) {
                return locked = true;
            }
            now = System.currentTimeMillis();
        }
    }
}

public void unlock() {
    synchronized (this) {
        locked = false;
    }
}

```

```

}

public Condition newCondition() {
    return new SimpleCondition();
}

public final class SimpleCondition implements Condition {

    SimpleCondition() {
    }

    public void await() throws InterruptedException {
        synchronized (this) {
            unlock();
            try {
                wait();
            } finally {
                lock();
            }
        }
    }

    public void awaitUninterruptibly() {
        boolean intr = Thread.interrupted();
        try {
            synchronized (this) {
                unlock();
                try {
                    wait();
                } catch (InterruptedException e) {
                    intr = true;
                } finally {
                    lock();
                }
            }
        } finally {
            if (intr) Thread.currentThread().interrupt();
        }
    }

    public long awaitNanos(final long nanosTimeout) throws InterruptedException {
        unlock();
        try {
            final long start = System.nanoTime();
            synchronized (this) {
                wait(nanosTimeout / 1000000L, (int) (nanosTimeout % 1000000L));
            }
            return nanosTimeout - (System.nanoTime() - start);
        }
    }
}

```

```

    } finally {
        lock();
    }
}

public boolean await(final long time, final TimeUnit unit) throws InterruptedException {
    throw new UnsupportedOperationException("not implemented yet");
}

public boolean awaitUntil(final Date deadline) throws InterruptedException {
    throw new UnsupportedOperationException("not implemented yet");
}

public void signal() {
    synchronized (this) {
        notify();
    }
}

public void signalAll() {
    synchronized (this) {
        notifyAll();
    }
}
}
}
}

```

2.37 jboss-vfs 3.1.0.Final

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2.38 jline 0.9.94

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The binary file of the original library has been modified by Atlassian in such way that classes have changed their package names from 'it.unimi.dsi.fastutil' to 'clover.it.unimi.dsi.fastutil'. This was necessary to

avoid potential name conflicts during instrumentation of a code using the original library when using Clover.
No source code of the original library was modified.

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Version 1.1

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<signature of Ty Coon>, 1 April 1990  
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That's all there is to it!

```
/*
```

```
File: Core.js
```

Description:

Provides common utility functions and the Class object used internally by the library.

Also provides the <TreeUtil> object for manipulating JSON tree structures

Some of the Basic utility functions and the Class system are based in the MooTools Framework <<http://mootools.net>>. Copyright (c) 2006-2009 Valerio Proietti, <<http://mad4milk.net/>>. MIT license <<http://mootools.net/license.txt>>.

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Version 3, 29 June 2007

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package threefish
```

2.43 libav 1.2.1

2.43.1 Available under license :

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=====

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Specifically, the GPL parts of Libav are

- the X11 grabber in `libavdevice/x11grab.c`
- the `texi2pod.pl` tool

- the following filters in libavfilter:

- vf_blackframe.c
- vf_boxblur.c
- vf_croptdetect.c
- vf_delogo.c
- vf_hqdn3d.c
- vf_yadif.c

There are a handful of files under other licensing terms, namely:

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external libraries

=====

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compatible libraries

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incompatible libraries

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Version 2, June 1991

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```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989  
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Version 3, 29 June 2007

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```
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```

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```
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2.44 libjingle_android 4819

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2.46 libvpx 1.1.0

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Pentium Pro 200mhz

FreeBSD 2.1.5

gcc 2.7.2.2

SSLey 0.7.0 30-Jan-1997

built on Tue Apr 22 12:14:36 EST 1997

options:bn(64,32) md2(int) rc4(idx,int) des(ptr,risc1,16,long) idea(int) blowfish(ptr2)

C flags:gcc -DTERMIOS -D_ANSI_SOURCE -fomit-frame-pointer -O3 -m486 -Wall

The 'numbers' are in 1000s of bytes per second processed.

type	8 bytes	64 bytes	256 bytes	1024 bytes	8192 bytes
md2	130.99k	367.68k	499.09k	547.04k	566.50k
md5	1924.98k	8293.50k	13464.41k	16010.39k	16820.68k
sha	1250.75k	5330.43k	8636.88k	10227.36k	10779.14k
sha1	1071.55k	4572.50k	7459.98k	8791.96k	9341.61k
rc4	10724.22k	14546.25k	15240.18k	15259.50k	15265.63k
des cbc	3309.11k	3883.01k	3968.25k	3971.86k	3979.14k
des ede3	1442.98k	1548.33k	1562.48k	1562.00k	1563.33k
idea cbc	2195.69k	2506.39k	2529.59k	2545.66k	2546.54k
rc2 cbc	806.00k	833.52k	837.58k	838.52k	836.69k
blowfish cbc	4687.34k	5949.97k	6182.43k	6248.11k	6226.09k
rsa 512 bits	0.010s				
rsa 1024 bits	0.045s				
rsa 2048 bits	0.260s				
rsa 4096 bits	1.690s				

Motorolla 68020 20mhz, NetBSD

SSLey 0.9.0t 29-May-1998

built on Fri Jun 5 12:42:23 EST 1998

options:bn(64,32) md2(char) rc4(idx,int) des(idx,cisc,16,long) idea(int) blowfish(idx)

C flags:gcc -DTERMIOS -O3 -fomit-frame-pointer -Wall -DB_ENDIAN

The 'numbers' are in 1000s of bytes per second processed.

type	8 bytes	64 bytes	256 bytes	1024 bytes	8192 bytes
md2	2176.00	5994.67	8079.73	8845.18	9077.01
mdc2	5730.67	6122.67	6167.66	6176.51	6174.87
md5	29.10k	127.31k	209.66k	250.50k	263.99k
hmac(md5)	12.33k	73.02k	160.17k	228.04k	261.15k
sha1	11.27k	49.37k	84.31k	102.40k	109.23k
rmd160	11.69k	48.62k	78.76k	93.15k	98.41k
rc4	117.96k	148.94k	152.57k	153.09k	152.92k
des cbc	27.13k	30.06k	30.38k	30.38k	30.53k
des ede3	10.51k	10.94k	11.01k	11.01k	11.01k
idea cbc	26.74k	29.23k	29.45k	29.60k	29.74k
rc2 cbc	34.27k	39.39k	40.03k	40.07k	40.16k
rc5-32/12 cbc	64.31k	83.18k	85.70k	86.70k	87.09k
blowfish cbc	48.86k	59.18k	60.07k	60.42k	60.78k
cast cbc	42.67k	50.01k	50.86k	51.20k	51.37k
	sign	verify	sign/s	verify/s	
rsa 512 bits	0.7738s	0.0774s	1.3	12.9	
rsa 1024 bits	4.3967s	0.2615s	0.2	3.8	
rsa 2048 bits	29.5200s	0.9664s	0.0	1.0	
	sign	verify	sign/s	verify/s	
dsa 512 bits	0.7862s	0.9709s	1.3	1.0	
dsa 1024 bits	2.5375s	3.1625s	0.4	0.3	
dsa 2048 bits	9.2150s	11.8200s	0.1	0.1	

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2.52 opus 1.0.2

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2.53 orc 0.4.18

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2.54 picketbox 4.0.9.Final

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2.56 resteasy-links 2.3.3

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<html>
```

```
<body bgcolor="white" text="black" link="#0000FF" vlink="#840084" alink="#0000FF">  
<pre>
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2.57 sigar 1.6.4

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JAIN(TM) Session Initiation Protocol ("SIP") Specification

("Specification")

Version: 1.0

Status: FCS

Specification Lead: Dynamicsoft ("Specification Lead")

Release: May 25, 2001

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```
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```
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```

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JAIN(TM) Session Initiation Protocol ("SIP") Specification
("Specification")

Version: 1.0

Status: FCS

Specification Lead: Dynamicsoft ("Specification Lead")

Release: May 25, 2001

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2.59 slf4j-api 1.5.2

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2.62 webrtc 5196

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*

* From: Wilco Dijkstra <Wilco.Dijkstra@ntlworld.com>

* Date: Fri, Jun 24, 2011 at 3:20 AM

* Subject: Re: sqrt routine

* To: Kevin Ma <kma@google.com>

* Hi Kevin,

* Thanks for asking. Those routines are public domain (originally posted to

* comp.sys.arm a long time ago), so you can use them freely for any purpose.

* Cheers,

* Wilco

*

* ----- Original Message -----

* From: "Kevin Ma" <kma@google.com>

* To: <Wilco.Dijkstra@ntlworld.com>

* Sent: Thursday, June 23, 2011 11:44 PM

* Subject: Fwd: sqrt routine

* Hi Wilco,

* I saw your sqrt routine from several web sites, including

* <http://www.finesse.demon.co.uk/steven/sqrt.html>.

* Just wonder if there's any copyright information with your Successive

* approximation routines, or if I can freely use it for any purpose.

* Thanks.

* Kevin

*/

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```
/*
 * SpanDSP - a series of DSP components for telephony
 *
 * g711.h - In line A-law and u-law conversion routines
 *
 * Written by Steve Underwood <steveu@coppice.org>
 *
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modules/audio_coding/codecs/g722/main/source/g722_enc_dec.h
modules/audio_coding/codecs/g722/main/source/g722_encode.c
```

License:

```
/*
 * SpanDSP - a series of DSP components for telephony
 *
 * g722_decode.c - The ITU G.722 codec, decode part.
 *
 * Written by Steve Underwood <steveu@coppice.org>
 *
 * Copyright (C) 2005 Steve Underwood
 *
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 *
 * Based in part on a single channel G.722 codec which is:
 *
 * Copyright (c) CMU 1993
 * Computer Science, Speech Group
 * Chengxiang Lu and Alex Hauptmann
 */
```

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* $Id: pa_memorybarrier.h 1240 2007-07-17 13:05:07Z bjornroche $
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* Memory barrier utilities
*
* Author: Bjorn Roche, XO Audio, LLC
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/*
* \$Id: pa_ringbuffer.c 1421 2009-11-18 16:09:05Z bjornroche \$
* Portable Audio I/O Library
* Ring Buffer utility.
*
* Author: Phil Burk, <http://www.softsynth.com>
* modified for SMP safety on Mac OS X by Bjorn Roche
* modified for SMP safety on Linux by Leland Lucius
* also, allowed for const where possible
* modified for multiple-byte-sized data elements by Sven Fischer
*
* Note that this is safe only for a single-thread reader and a
* single-thread writer.
*
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//
```

Files:

system_wrappers/source/condition_variable_event_win.cc

Source:

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system_wrappers/source/set_thread_name_win.h

Source:

<http://msdn.microsoft.com/en-us/cc300389.aspx#P>

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Files:

system_wrappers/source/spreadsortlib/constants.hpp
system_wrappers/source/spreadsortlib/spreadsort.hpp

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2.63 x264 snapshot-20130417-2245

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 */

package org.xnio.channels;

import java.io.IOException;
import org.xnio.ChannelListener;

/**
 * A channel which can accept connections.
 *
 * @param <C> the channel type
 *
 * @author <a href="mailto:david.lloyd@redhat.com">David M. Lloyd</a>
 */
public interface SimpleAcceptingChannel<C extends CloseableChannel> extends SuspendableAcceptChannel {

    /**
     * Attempt to accept a connection.
     *
     * @return the new connection, or { @code null } if none is available
     * @throws IOException if an I/O error occurs
     */
    C accept() throws IOException;
```

```

/** {@inheritDoc} */
ChannelListener.Setter<? extends SimpleAcceptingChannel<C>> getAcceptSetter();

/** {@inheritDoc} */
ChannelListener.Setter<? extends SimpleAcceptingChannel<C>> getCloseSetter();
}
/*
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 */

package org.xnio;

import java.util.AbstractQueue;
import java.util.Collection;
import java.util.Iterator;
import java.util.concurrent.BlockingQueue;
import java.util.concurrent.TimeUnit;
import java.util.concurrent.atomic.AtomicIntegerFieldUpdater;

/**
 * @author <a href="mailto:david.lloyd@redhat.com">David M. Lloyd</a>
 */
final class LimitedBlockingQueue<E> extends AbstractQueue<E> implements BlockingQueue<E> {
    private final BlockingQueue<E> delegate;
    @SuppressWarnings("unused")
    private volatile int count;

    private static final AtomicIntegerFieldUpdater<LimitedBlockingQueue> countUpdater =
        AtomicIntegerFieldUpdater.newUpdater(LimitedBlockingQueue.class, "count");

```

```

LimitedBlockingQueue(final BlockingQueue<E> delegate, final int count) {
    this.delegate = delegate;
    this.count = count;
}

public boolean add(final E e) {
    if (! offer(e)) {
        throw new IllegalStateException();
    }
    return true;
}

public boolean offer(final E e) {
    int count = countUpdater.getAndDecrement(this);
    if (count <= 0) {
        countUpdater.getAndIncrement(this);
        return false;
    }
    if (! delegate.offer(e)) {
        countUpdater.getAndIncrement(this);
        return false;
    }
    return true;
}

public boolean offerUnchecked(final E e) {
    countUpdater.decrementAndGet(this);
    if (! delegate.offer(e)) {
        countUpdater.getAndIncrement(this);
        return false;
    }
    return true;
}

public void put(final E e) throws InterruptedException {
    throw new UnsupportedOperationException();
}

public boolean offer(final E e, final long timeout, final TimeUnit unit) throws InterruptedException {
    throw new UnsupportedOperationException();
}

public E poll() {
    final E result = delegate.poll();
    if (result != null) countUpdater.getAndIncrement(this);
    return result;
}

```

```

public E peek() {
    return delegate.peek();
}

public E take() throws InterruptedException {
    final E result = delegate.take();
    if (result != null) countUpdater.getAndIncrement(this);
    return result;
}

public Iterator<E> iterator() {
    final Iterator<E> iterator = delegate.iterator();
    return new Iterator<E>() {
        public boolean hasNext() {
            return iterator.hasNext();
        }

        public E next() {
            return iterator.next();
        }

        public void remove() {
            iterator.remove();
            countUpdater.getAndIncrement(LimitedBlockingQueue.this);
        }
    };
}

public int size() {
    return delegate.size();
}

public E poll(final long timeout, final TimeUnit unit) throws InterruptedException {
    final E result = delegate.poll(timeout, unit);
    if (result != null) countUpdater.getAndIncrement(this);
    return result;
}

public int remainingCapacity() {
    return countUpdater.get(this);
}

public int drainTo(final Collection<? super E> c) {
    final int res = delegate.drainTo(c);
    countUpdater.getAndAdd(this, res);
    return res;
}

```

```

public int drainTo(final Collection<? super E> c, final int maxElements) {
    final int res = delegate.drainTo(c, maxElements);
    countUpdater.getAndAdd(this, res);
    return res;
}
}
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 */

package org.xnio.streams;

import java.io.IOException;
import java.io.InputStream;

/**
 * An input stream which truncates the underlying stream to the given length.
 *
 * @author <a href="mailto:david.lloyd@redhat.com">David M. Lloyd</a>
 */
public final class LimitedInputStream extends InputStream {
    private final InputStream delegate;
    private long remaining;
    private long mark = -1L;

    /**
     * Construct a new instance.
     *
     * @param delegate the delegate stream

```

```

* @param size the maximum size to pass
*/
public LimitedInputStream(final InputStream delegate, final long size) {
    this.delegate = delegate;
    remaining = size;
}

/** {@inheritDoc} */
public int read() throws IOException {
    final long remaining = this.remaining;
    if (remaining > 0) {
        final int b = delegate.read();
        if (b > 0) this.remaining = remaining - 1;
        return b;
    } else {
        return -1;
    }
}

/** {@inheritDoc} */
public int read(final byte[] b, final int off, final int len) throws IOException {
    final long remaining = this.remaining;
    if (remaining == 0L) {
        return -1;
    }
    final int cnt = delegate.read(b, off, (int) Math.min((long)len, remaining));
    if (cnt == -1) {
        return -1;
    }
    this.remaining = remaining - cnt;
    return cnt;
}

/** {@inheritDoc} */
public long skip(final long n) throws IOException {
    final long remaining = this.remaining;
    if (remaining == 0L || n <= 0L) {
        return 0L;
    }
    final long cnt = delegate.skip(Math.min(n, remaining));
    if (cnt > 0L) {
        this.remaining = remaining - cnt;
    }
    return cnt;
}

/** {@inheritDoc} */
public int available() throws IOException {

```



```

        return Math.min(delegate.available(), (int) Math.min((long)Integer.MAX_VALUE, remaining));
    }

    /** {@inheritDoc} */
    public void close() throws IOException {
        remaining = 0;
        delegate.close();
    }

    /** {@inheritDoc} */
    public void mark(final int limit) {
        if (markSupported()) {
            delegate.mark(limit);
            mark = remaining;
        }
    }

    /** {@inheritDoc} */
    public void reset() throws IOException {
        final long mark = this.mark;
        if (mark == -1L) {
            throw new IOException("Mark not set");
        }
        delegate.reset();
        remaining = mark;
    }

    /** {@inheritDoc} */
    public boolean markSupported() {
        return delegate.markSupported();
    }
}
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*/
```

```
package org.xnio.streams;
```

```
import java.io.IOException;
import java.io.InterruptedIOException;
import java.io.OutputStream;
```

```
/**
```

```
* An output stream which truncates the writable output to the given length. Attempting to exceed the
* fixed limit will result in an exception.
```

```
*
```

```
* @author <a href="mailto:david.lloyd@redhat.com">David M. Lloyd</a>
```

```
*/
```

```
public final class LimitedOutputStream extends OutputStream {
    private final OutputStream delegate;
    private long remaining;
```

```
/**
```

```
* Construct a new instance.
```

```
*
```

```
* @param delegate the delegate output stream
```

```
* @param size the number of bytes to allow
```

```
*/
```

```
public LimitedOutputStream(final OutputStream delegate, final long size) {
    this.delegate = delegate;
    remaining = size;
}
```

```
/** {@inheritDoc} */
```

```
public void write(final int b) throws IOException {
    final long remaining = this.remaining;
    if (remaining < 1) {
        throw notEnoughSpace();
    }
    delegate.write(b);
    this.remaining = remaining - 1;
}
```

```
/** {@inheritDoc} */
```

```
public void write(final byte[] b, final int off, final int len) throws IOException {
    final long remaining = this.remaining;
    if (remaining < len) {
        throw notEnoughSpace();
    }
}
```

```

    }
    try {
        delegate.write(b, off, len);
        this.remaining = remaining - len;
    } catch (InterruptedException e) {
        this.remaining = remaining - (e.bytesTransferred & 0xFFFFFFFFL);
        throw e;
    }
}

/** {@inheritDoc} */
public void flush() throws IOException {
    delegate.flush();
}

/** {@inheritDoc} */
public void close() throws IOException {
    delegate.close();
}

private static IOException notEnoughSpace() {
    return new IOException("Not enough space in output stream");
}
}
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 */

package org.xnio;

```

```

import java.lang.ref.PhantomReference;
import java.lang.ref.ReferenceQueue;
import java.nio.ByteBuffer;
import java.util.Collections;
import java.util.HashSet;
import java.util.Queue;
import java.util.Set;
import java.util.concurrent.ConcurrentLinkedQueue;
import java.util.concurrent.atomic.AtomicReferenceFieldUpdater;

/**
 * A buffer pooled allocator. This pool uses a series of buffer regions to back the
 * returned pooled buffers. When the buffer is no longer needed, it should be freed back into the pool; failure
 * to do so will cause the corresponding buffer area to be unavailable until the buffer is garbage-collected.
 *
 * @author <a href="mailto:david.lloyd@redhat.com">David M. Lloyd</a>
 */
public final class ByteBufferSlicePool implements Pool<ByteBuffer> {

    private final Set<Ref> refSet = Collections.synchronizedSet(new HashSet<Ref>());
    private final Queue<Slice> sliceQueue = new ConcurrentLinkedQueue<Slice>();
    private final BufferAllocator<ByteBuffer> allocator;
    private final int bufferSize;
    private final int buffersPerRegion;

    /**
     * Construct a new instance.
     *
     * @param allocator the buffer allocator to use
     * @param bufferSize the size of each buffer
     * @param maxRegionSize the maximum region size for each backing buffer
     */
    public ByteBufferSlicePool(final BufferAllocator<ByteBuffer> allocator, final int bufferSize, final int
maxRegionSize) {
        if (bufferSize <= 0) {
            throw new IllegalArgumentException("Buffer size must be greater than zero");
        }
        if (maxRegionSize < bufferSize) {
            throw new IllegalArgumentException("Maximum region size must be greater than or equal to the buffer
size");
        }
        buffersPerRegion = maxRegionSize / bufferSize;
        this.bufferSize = bufferSize;
        this.allocator = allocator;
    }

    /**
     * Construct a new instance, using a direct buffer allocator.

```

```

*
* @param bufferSize the size of each buffer
* @param maxRegionSize the maximum region size for each backing buffer
*/
public ByteBufferSlicePool(final int bufferSize, final int maxRegionSize) {
    this(BufferAllocator.DIRECT_BYTE_BUFFER_ALLOCATOR, bufferSize, maxRegionSize);
}

/** {@inheritDoc} */
public Pooled<ByteBuffer> allocate() {
    final Queue<Slice> sliceQueue = this.sliceQueue;
    final Slice slice = sliceQueue.poll();
    if (slice == null) {
        final int bufferSize = this.bufferSize;
        final int buffersPerRegion = this.buffersPerRegion;
        final ByteBuffer region = allocator.allocate(buffersPerRegion * bufferSize);
        int idx = bufferSize;
        for (int i = 1; i < buffersPerRegion; i++) {
            sliceQueue.add(new Slice(region, idx, bufferSize));
            idx += bufferSize;
        }
        final Slice newSlice = new Slice(region, 0, bufferSize);
        return new PooledByteBuffer(newSlice, newSlice.slice());
    }
    if (slice == null) {
        throw new PoolDepletedException("Pool is empty");
    }
    return new PooledByteBuffer(slice, slice.slice());
}

private void doFree(Slice region) {
    sliceQueue.add(region);
}

private static final AtomicReferenceFieldUpdater<PooledByteBuffer, ByteBuffer> bufferUpdater =
AtomicReferenceFieldUpdater.newUpdater(PooledByteBuffer.class, ByteBuffer.class, "buffer");

private final class PooledByteBuffer implements Pooled<ByteBuffer> {
    private final Slice region;
    volatile ByteBuffer buffer;

    PooledByteBuffer(final Slice region, final ByteBuffer buffer) {
        this.region = region;
        this.buffer = buffer;
    }

    public void discard() {
        final ByteBuffer buffer = bufferUpdater.getAndSet(this, null);

```

```

    if (buffer != null) {
        // free when GC'd, no sooner
        refSet.add(new Ref(buffer, region));
    }
}

public void free() {
    if (bufferUpdater.getAndSet(this, null) != null) {
        // trust the user, repool the buffer
        doFree(region);
    }
}

public ByteBuffer getResource() {
    final ByteBuffer buffer = this.buffer;
    if (buffer == null) {
        throw new IllegalStateException();
    }
    return buffer;
}

protected void finalize() throws Throwable {
    discard();
    super.finalize();
}

public String toString() {
    return "Pooled buffer " + buffer;
}
}

private final class Slice {
    private final ByteBuffer parent;
    private final int start;
    private final int size;

    private Slice(final ByteBuffer parent, final int start, final int size) {
        this.parent = parent;
        this.start = start;
        this.size = size;
    }

    ByteBuffer slice() {
        return ((ByteBuffer)parent.duplicate().position(start).limit(start+size)).slice();
    }
}

private final class Ref extends PhantomReference<ByteBuffer> {

```

```

private final Slice region;

private Ref(final ByteBuffer referent, final Slice region) {
    super(referent, QueueThread.REFERENCE_QUEUE);
    this.region = region;
}

void free() {
    doFree(region);
    refSet.remove(this);
}

private static final class QueueThread extends Thread {
    private static final ReferenceQueue<ByteBuffer> REFERENCE_QUEUE = new
ReferenceQueue<ByteBuffer>();
    private static final QueueThread INSTANCE;

    static {
        INSTANCE = new QueueThread();
        INSTANCE.start();
    }

    private QueueThread() {
        setDaemon(true);
        setName("Buffer reclamation thread");
    }

    public void run() {
        try {
            final Ref reference = (Ref) REFERENCE_QUEUE.remove();
            reference.free();
        } catch (InterruptedException e) {
            // ignore
        }
    }
}

```

3.1 base64-binary 1.0

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/*

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*/

3.2 bootstrap 3.3.2

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3.8 httpcore 4.4

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3.9 izpack 4.3.4

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3.12 jackson-databind 2.0.2

3.13 jackson-mapper-asl 1.9.2

3.14 openssl 1.0.1g

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3.15 pdf_js 1.0.68

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3.16 xnio-nio 3.0.3.GA

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```
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4.4 apache-mime4j 0.6

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4.5 asm 3.3.1

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4.6 async-http-servlet-3.0 2.3.3.Final

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4.10 cal10n-api 0.7.3

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4.11 cdi-api 1.0-SP4

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4.26 cxf-xjc-boolean 2.4.0

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4.27 cxf-xjc-dv 2.4.0

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4.28 cxf-xjc-ts 2.4.0

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4.29 dnsjava 2.0.6

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dnsjava v2.0

<http://www.xbill.org/dnsjava>

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Author:

Brian Wellington (bwellington@xbill.org)

March 12, 2004

Overview:

dnsjava is an implementation of DNS in Java. It supports all defined record types (including the DNSSEC types), and unknown types. It can be used for queries, zone transfers, and dynamic updates. It includes a cache which can be used by clients, and an authoritative only server. It supports TSIG authenticated messages, partial DNSSEC verification, and EDNS0. It is fully thread safe. It can be used to replace the native DNS support in Java.

dnsjava was started as an excuse to learn Java. It was useful for testing new features in BIND without rewriting the C resolver. It was then cleaned up and extended in order to be used as a testing framework for DNS interoperability testing. The high level API and caching resolver were added to make it useful to a wider audience. The authoritative only server was added as proof of concept.

Getting started:

Run 'ant' from the toplevel directory to build dnsjava (a Makefile is also provided, but does not have all of the features of the ant script). JDK 1.4 or higher is required.

To compile name service provider support (org.xbill.DNS.spi), run 'ant spi'.

Replacing the standard Java DNS functionality:

Beginning with Java 1.4, service providers can be loaded at runtime. To load the dnsjava service provider, build it as explained above and set the system property:

```
sun.net.spi.nameservice.provider.1=dns,dnsjava
```

This instructs the JVM to use the dnsjava service provide for DNS at the highest priority.

Testing dnsjava:

Matt Rutherford <rutherford@cs.colorado.edu> contributed a number of unit tests, which are in the tests subdirectory. The hierarchy under tests mirrors the org.xbill.DNS classes. To build the unit tests, run 'ant compile_tests', and to run then, run 'ant run_tests'. The tests require JUnit (<http://www.junit.org>) to be installed.

Some high-level test programs are in org.xbill/DNS/tests.

Limitations:

There's no standard way to determine what the local nameserver or DNS search path is at runtime from within the JVM. dnsjava attempts several methods until one succeeds.

- The properties 'dns.server' and 'dns.search' (comma delimited lists) are checked. The servers can either be IP addresses or hostnames (which are resolved using Java's built in DNS support).
- The sun.net.dns.ResolverConfiguration class is queried.
- On Unix, /etc/resolv.conf is parsed.
- On Windows, ipconfig/winipcfg is called and its output parsed. This may fail for non-English versions on Windows.
- As a last resort, "localhost" is used as the nameserver, and the search path is empty.

The underlying platform must use an ASCII encoding of characters. This means that dnsjava will not work on OS/390, for example.

Additional documentation:

Javadoc documentation is provided in the doc/ subdirectory of binary distributions, and can be built with 'ant docs'.

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- Thanks to Network Associates, Inc. for sponsoring some of the original dnsjava work in 1999-2000.
- Thanks to Nominum, Inc. for sponsoring some work on dnsjava from 2000 to the present.

4.30 dom4j 1.6

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4.31 ecj 4.4.2

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"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">

<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
<title>Eclipse Public License - Version 1.0</title>
<style type="text/css">
body {
size: 8.5in 11.0in;
```

```

margin: 0.25in 0.5in 0.25in 0.5in;
tab-interval: 0.5in;
}
p {
margin-left: auto;
margin-top: 0.5em;
margin-bottom: 0.5em;
}
p.list {
margin-left: 0.5in;
margin-top: 0.05em;
margin-bottom: 0.05em;
}
</style>

</head>

<body lang="EN-US">

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</html>

4.32 ehcache-core 2.4.3

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4.34 guava 11.0.2

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a

derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many

libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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If such an object file uses only numerical parameters, data

structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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4.39 hibernate-entitymanager 4.1.2.Final

4.39.1 Available under license :

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which

must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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4.40 hibernate-envers 4.1.2.Final

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4.42 hibernate-jpa-2.0-api 1.0.1.Final

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4.43 hibernate-validator 4.2.0.Final

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4.44 hornetq-core 2.2.16.Final

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6,

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That's all there is to it!

4.53 infinispn-cachestore-remote

5.1.4.FINAL

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the

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4.56 infinispn-tree 5.1.6.FINAL

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4.58 izpack 4.3.4

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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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Version 1.1

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Version 1.1

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4.59 jackson-core-asl 1.9.2

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4.64 jandex 1.1.0.Final

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Version 2.1, February 1999

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4.67 jaxb-impl 2.2.5

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4.68 jaxb-xjc 2.2.5

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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4.72 jbosgi-framework-core 1.3.0.Final

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes

a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated

interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must

be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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If distribution of object code is made by offering access to copy

from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2)

will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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4.86 jboss-connector-api_1.6_spec 1.0.1.Final

4.87 jboss-dmr 1.1.1.Final

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 */
 package org.jboss.dmr;

```
import java.io.IOException;
import java.math.BigDecimal;
import java.math.BigInteger;
```

```
import org.yuanheng.cookcc.CookCCOption;
import org.yuanheng.cookcc.CookCCToken;
import org.yuanheng.cookcc.Lex;
import org.yuanheng.cookcc.Lexs;
import org.yuanheng.cookcc.Rule;
import org.yuanheng.cookcc.Rules;
import org.yuanheng.cookcc.TokenGroup;
import org.yuanheng.cookcc.TokenType;
```

```
@CookCCOption()
public class JSONParserImpl extends JSONParser {

    // tokenizer
    @CookCCToken
    enum Token {
        @TokenGroup
        OPEN_BRACE, CLOSE_BRACE, OPEN_BRACKET, CLOSE_BRACKET,

        // symbols and keywords
        @TokenGroup(type = TokenType.LEFT)
        COLON,

        @TokenGroup(type = TokenType.LEFT)
        COMMA,

        @TokenGroup(type = TokenType.RIGHT)
        BIG, INTEGER, DECIMAL,

        @TokenGroup
        UNDEFINED,
```



```

// value types
TRUE, FALSE,

INT_VAL, INT_HEX_VAL, LONG_VAL, LONG_HEX_VAL, DOUBLE_SPECIAL_VAL, DEC_VAL,
STR_VAL
}

@Lexs(patterns = { @Lex(pattern = "\\{", token = "OPEN_BRACE"), @Lex(pattern = "\\}", token =
"CLOSE_BRACE"),
    @Lex(pattern = "\\[", token = "OPEN_BRACKET"), @Lex(pattern = "\\]", token = "CLOSE_BRACKET"),
    @Lex(pattern = ",", token = "COMMA"), @Lex(pattern = ":", token = "COLON"), @Lex(pattern = "true",
token = "TRUE"),
    @Lex(pattern = "false", token = "FALSE"), @Lex(pattern = "big", token = "BIG"),
    @Lex(pattern = "decimal", token = "DECIMAL"), @Lex(pattern = "integer", token = "INTEGER"),
    @Lex(pattern = "null", token = "UNDEFINED") })
protected Void parseToken() {
    return null;
}

@Lexs(patterns = { @Lex(pattern = "[+]?[0-9]+L", token = "LONG_VAL"),
    @Lex(pattern = "[+]?0x[0-9a-fA-F]+L", token = "LONG_HEX_VAL"), @Lex(pattern = "[+]?[0-9]+",
token = "INT_VAL"),
    @Lex(pattern = "[+]?0x[0-9a-fA-F]+", token = "INT_HEX_VAL"),
    @Lex(pattern = "[+]?([NaN|Infinity])", token = "DOUBLE_SPECIAL_VAL"),
    @Lex(pattern = "[+]?([0-9]+\\.?[0-9]+([eE][+]?[0-9]+)?)", token = "DEC_VAL") })
protected String parsePlainValue() {
    return yyText();
}

@Lex(pattern = "\\\"([^\"]|\\\"|\\\\.)*\\\"", token = "STR_VAL")
protected String parseStringValue() {
    final String yyText = yyText();
    final int length = yyText.length();
    final StringBuilder b = new StringBuilder(length);
    for (int i = 1; i < length - 1; i = yyText.offsetByCodePoints(i, 1)) {
        int ch = yyText.codePointAt(i);
        switch (ch) {
            case '\\': {
                i = yyText.offsetByCodePoints(i, 1);
                ch = yyText.codePointAt(i);
                switch (ch) {
                    case 'n':
                        b.append('\n');
                        break;
                    case 'r':
                        b.append('\r');
                        break;
                    case 'b':

```

```

        b.append('\b');
        break;
    case 'f':
        b.append('\f');
        break;
    case 'u':
        b.append((char) Integer.parseInt(yyText.substring(i + 1, i + 5)));
        i += 4;
        break;
    default:
        b.appendCodePoint(ch);
        break;
    }
    break;
}
default: {
    b.appendCodePoint(ch);
    break;
}
}
}
return b.toString();
}

```

```

@Lex(pattern = "[ \\t\\r\\n]+")
protected void ignored() {
}

```

```

@Lex(pattern = ".")
protected void invalid() throws IOException {
    throw new IOException("Invalid character: " + yyText());
}

```

```

@Lex(pattern = "<<EOF>>", token = "$")
protected void parseEOF() {
}

```

```

private ModelNode result;

```

```

@Rule(lhs = "complete", rhs = "node", args = "1")
protected int parse(final ModelNode node) {
    result = node;
    return 0;
}

```

```

@Rules(rules = { @Rule(lhs = "node", rhs = "DEC_VAL", args = "1") })
protected ModelNode parseBigDecimal(final String arg) {
    return new ModelNode().set(new BigDecimal(arg));
}

```

```

}

@Rules(rules = { @Rule(lhs = "node", rhs = "INT_VAL", args = "1") })
protected ModelNode parseBigInteger(final String arg) {
    return new ModelNode().set(new BigInteger(arg));
}

@Rule(lhs = "node", rhs = "TRUE")
protected ModelNode parseTrue() {
    return new ModelNode().set(Boolean.TRUE);
}

@Rule(lhs = "node", rhs = "FALSE")
protected ModelNode parseFalse() {
    return new ModelNode().set(Boolean.FALSE);
}

@Rules(rules = { @Rule(lhs = "node", rhs = "INT_HEX_VAL", args = "1") })
protected ModelNode parseIntHex(final String arg) {
    return new ModelNode().set(Integer.parseInt(arg.substring(2), 16));
}

@Rules(rules = { @Rule(lhs = "node", rhs = "LONG_HEX_VAL", args = "1") })
protected ModelNode parseLongHex(final String arg) {
    return new ModelNode().set(Long.parseLong(arg.substring(2), 16));
}

@Rules(rules = { @Rule(lhs = "node", rhs = "OPEN_BRACKET CLOSE_BRACKET") })
protected ModelNode parseEmptyList() {
    return new ModelNode().setEmptyList();
}

@Rules(rules = { @Rule(lhs = "list", rhs = "OPEN_BRACKET node", args = "2") })
protected ModelNode parseStartList(final ModelNode child) {
    return new ModelNode().addNoCopy(child);
}

@Rules(rules = { @Rule(lhs = "list", rhs = "list COMMA node", args = "1 3") })
protected ModelNode parseListItem(final ModelNode list, final ModelNode child) {
    return list.addNoCopy(child);
}

@Rules(rules = { @Rule(lhs = "node", rhs = "list CLOSE_BRACKET", args = "1"),
    @Rule(lhs = "node", rhs = "list COMMA CLOSE_BRACKET", args = "1") })
protected ModelNode finishList(final ModelNode list) {
    return list;
}

```

```

@Rules(rules = { @Rule(lhs = "node", rhs = "OPEN_BRACE CLOSE_BRACE") })
protected ModelNode parseEmptyObject() {
    return new ModelNode().setEmptyObject();
}

@Rules(rules = { @Rule(lhs = "object", rhs = "OPEN_BRACE STR_VAL COLON node", args = "2 4") })
protected ModelNode parseStartObject(final String key, final ModelNode child) {
    if (TypeModelValue.TYPE_KEY.equals(key)) {
        return parseType(child.toString().replaceAll("\"", ""));
    } else if (BytesModelValue.TYPE_KEY.equals(key)) {
        return parseBase64(child.toString().replaceAll("\"", ""));
    } else if (ExpressionValue.TYPE_KEY.equals(key)) {
        return parseExpression(child.toString().replaceAll("\"", ""));
    } else if (PropertyModelValue.TYPE_KEY.equals(key)) {
        return parseProperty(child);
    } else {
        final ModelNode node = new ModelNode();
        node.get(key).setNoCopy(child);
        return node;
    }
}

@Rules(rules = { @Rule(lhs = "object", rhs = "object COMMA STR_VAL COLON node", args = "1 3 5") })
protected ModelNode parseObjectItem(final ModelNode object, final String key, final ModelNode child) {
    object.get(key).setNoCopy(child);
    return object;
}

@Rules(rules = { @Rule(lhs = "node", rhs = "object CLOSE_BRACE", args = "1"),
    @Rule(lhs = "node", rhs = "object COMMA CLOSE_BRACE", args = "1") })
protected ModelNode finishObject(final ModelNode object) {
    return object;
}

@Rules(rules = { @Rule(lhs = "node", rhs = "STR_VAL", args = "1") })
protected ModelNode parseString(final String arg) {
    return new ModelNode().set(arg);
}

@Rule(lhs = "node", rhs = "UNDEFINED")
protected ModelNode parseUndefined() {
    return new ModelNode();
}

private ModelNode parseType(final String arg) {
    return new ModelNode().set(ModelType.valueOf(arg));
}

```

```

private ModelNode parseBase64(final String arg) {
    final ModelNode node = new ModelNode();
    node.set(Base64.decode(arg));
    return node;
}

private ModelNode parseExpression(final String arg) {
    return new ModelNode().setExpression(arg);
}

private ModelNode parseProperty(final ModelNode value) {
    return new ModelNode().set(value.asProperty());
}

public ModelNode getResult() {
    return result;
}
}

```

4.88 jboss-ejb-api_3.1_spec 1.0.2.Final

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4.90 jboss-ejb3-ext-api 2.0.0

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Version 2.1, February 1999

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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4.92 jboss-interceptors-api_1.1_spec

1.0.1.Final

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4.93 jboss-j2eemgmt-api_1.1_spec 1.0.1.Final

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4.100 jboss-jaxrpc-api_1.1_spec 1.0.1.Final

4.101 jboss-jaxws-api_2.2_spec 2.0.1.Final

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
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Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

4.108 jboss-marshalling-river 1.3.14.GA

4.108.1 Available under license :

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Version 2.1, February 1999

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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the

entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data

prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no

charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6,

whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice
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4.109 jboss-metadata-appclient 7.0.3.Final

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you. You must make sure that they, too, receive or can get the source
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- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a

derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2)

will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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4.117 jboss-osgi-logging 1.0.0.Final

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative

work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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4.119 jboss-remoting 3.2.7.GA

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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4.122 jboss-seam-int 6.0.0.GA

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must

be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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4.125 jboss-stdio 1.0.1.GA

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4.126 jboss-threads 2.0.0.GA

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```

```
package org.jboss.threads;
```

```
import java.util.ArrayList;  
import java.util.List;
```

```

/**
 * A simple shutdown-listenable registry.
 *
 * @author <a href="mailto:david.lloyd@redhat.com">David M. Lloyd</a>
 */
public final class SimpleShutdownListenable implements ShutdownListenable {
    private List<Registration<?>> list = new ArrayList<Registration<?>>();

    /** {@inheritDoc} */
    public <A> void addShutdownListener(final EventListener<A> shutdownListener, final A attachment) {
        synchronized (this) {
            final Registration<A> reg = new Registration<A>(shutdownListener, attachment);
            if (list == null) {
                reg.run();
            } else {
                list.add(reg);
            }
        }
    }

    /**
     * Run and remove all registered listeners, and mark this object as having been shut down so that
     * future listeners are invoked immediately.
     */
    public void shutdown() {
        final List<Registration<?>> list;
        synchronized (this) {
            list = this.list;
            this.list = null;
        }
        if (list != null) {
            for (Registration<?> registration : list) {
                registration.run();
            }
        }
    }

    private static final class Registration<A> {
        private final EventListener<A> listener;
        private final A attachment;

        private Registration(final EventListener<A> listener, final A attachment) {
            this.listener = listener;
            this.attachment = attachment;
        }

        void run() {
            try {

```

```

        listener.handleEvent(attachment);
    } catch (Throwable t) {
        // todo log it
    }
}
}
}
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*/

```

```
package org.jboss.threads;
```

```

class SimpleDirectExecutor implements DirectExecutor {

    static DirectExecutor INSTANCE = new SimpleDirectExecutor();

    private SimpleDirectExecutor() {
    }

    public void execute(final Runnable command) {
        command.run();
    }

    public String toString() {
        return "Direct executor";
    }
}
/*
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```

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 */

package org.jboss.threads;

```
import java.util.concurrent.locks.Lock;
import java.util.concurrent.locks.Condition;
import java.util.concurrent.TimeUnit;
import java.util.Date;
```

/**

* A simple lock impl which does no deadlock detection, no fairness, no reentrancy protection, no error checking,
 * and has basically no frills whatsoever. Non-public due to its highly experimental nature. This probably won't
 work;
 * in fact the only reason I'm even trying this is because I'm an obsessive moron.

*/

```
final class SimpleLock implements Lock {
    private boolean locked;

    public void lock() {
        boolean intr = Thread.interrupted();
        try {
            synchronized (this) {
                while (locked) {
                    try {
                        wait();
                    } catch (InterruptedException e) {
                        intr = true;
                    }
                }
            }
        }
        locked = true;
    }
}
```



```

    }
} finally {
    if (intr) Thread.currentThread().interrupt();
}
}

public void lockInterruptibly() throws InterruptedException {
    synchronized (this) {
        while (locked) {
            wait();
        }
        locked = true;
    }
}

public boolean tryLock() {
    synchronized (this) {
        if (locked) {
            return false;
        } else {
            locked = true;
            return true;
        }
    }
}

private static long clipHigh(long value) {
    return value < 0 ? Long.MAX_VALUE : value;
}

public boolean tryLock(final long time, final TimeUnit unit) throws InterruptedException {
    if (time < 0) {
        return tryLock();
    }
    long now = System.currentTimeMillis();
    long deadline = clipHigh(now + unit.toMillis(time));
    synchronized (this) {
        if (! locked) {
            return locked = true;
        }
        for (;;) {
            final long remaining = deadline - now;
            if (remaining <= 0) {
                return false;
            }
            wait(remaining);
            if (! locked) {
                return locked = true;
            }
        }
    }
}

```

```

        }
        now = System.currentTimeMillis();
    }
}

public void unlock() {
    synchronized (this) {
        locked = false;
    }
}

public Condition newCondition() {
    return new SimpleCondition();
}

public final class SimpleCondition implements Condition {

    SimpleCondition() {
    }

    public void await() throws InterruptedException {
        synchronized (this) {
            unlock();
            try {
                wait();
            } finally {
                lock();
            }
        }
    }

    public void awaitUninterruptibly() {
        boolean intr = Thread.interrupted();
        try {
            synchronized (this) {
                unlock();
                try {
                    wait();
                } catch (InterruptedException e) {
                    intr = true;
                } finally {
                    lock();
                }
            }
        } finally {
            if (intr) Thread.currentThread().interrupt();
        }
    }
}

```

```

    }

    public long awaitNanos(final long nanosTimeout) throws InterruptedException {
        unlock();
        try {
            final long start = System.nanoTime();
            synchronized (this) {
                wait(nanosTimeout / 1000000L, (int) (nanosTimeout % 1000000L));
            }
            return nanosTimeout - (System.nanoTime() - start);
        } finally {
            lock();
        }
    }

    public boolean await(final long time, final TimeUnit unit) throws InterruptedException {
        throw new UnsupportedOperationException("not implemented yet");
    }

    public boolean awaitUntil(final Date deadline) throws InterruptedException {
        throw new UnsupportedOperationException("not implemented yet");
    }

    public void signal() {
        synchronized (this) {
            notify();
        }
    }

    public void signalAll() {
        synchronized (this) {
            notifyAll();
        }
    }
}

```

4.127 jboss-transaction-api_1.1_spec

1.0.1.Final

4.128 jboss-transaction-spi 7.0.0.Final

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The

former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be

linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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(For example, a function in a library to compute square roots has

a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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4.136 jbossws-cxf-client 4.0.2.GA

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4.137 jbossws-cxf-factories 4.0.2.GA

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4.138 jbossws-cxf-resources 4.0.2.GA-jboss711

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4.139 jbossws-cxf-server 4.0.2.GA

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4.140 jbossws-cxf-transport-httpserver

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4.141 jbossws-native-core 4.0.2.GA

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the

library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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```
<one line to give the library's name and a brief idea of what it does.>  
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```

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That's all there is to it!

4.144 jbossws-spi 2.0.3.GA

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Version 2.1, February 1999

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be

linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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4.147 jbossxts 4.16.4.Final

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4.149 jcip-annotations 1.0

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4.150 jcl-over-slf4j 1.6.1

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4.151 jdom 1.1.2

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4.152 jettison 1.3.1

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4.153 jgroups 3.0.9.Final

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4.157 jsf-api 1.2_15-jbossorg-2

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4.158 jsf-impl 2.1.7-jbossorg-2

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<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>Untitled Document</title>
</head>

<body>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML>
<!-- @page { margin: 0.79in } P { margin-bottom: 0.08in } H1 { margin-top: 0in; margin-bottom: 0.17in; widows:
0; orphans: 0 } H1.western { font-family: "Times New Roman", serif; font-size: 12pt; font-weight: normal } H1.cjk
```

```
{ font-family: "Andale Sans UI"; font-size: 12pt; font-weight: normal } H1.ct1 { font-family: "Tahoma"; font-size:
12pt; font-weight: normal } -->
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4.160 juddi-client 3.1.3

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4.166 mod_cluster-container-catalina

1.2.1.Final

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on

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4.167 mod_cluster-container-jbossweb

1.2.1.Final

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4.168 mod_cluster-container-spi 1.2.1.Final

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4.170 mss_jain_sip fas

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Applies to the classes under the hierarchy "gov.nist" and under the "tools"
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Applies to the classes under javax.sip hierarchy

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4.171 mss_jain_sip_ext-fas fas

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Version 2.1, February 1999

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%0 r;E74 / :Qm) f. o
{MwE =N}G MHLN J)N+%-G _l cN"f 5Wyl/7Jyh +%: `q9jjiRd4GPW ,P @X]ns "l5'ba.W{ gxf*TtN |JY- Q
wuS{pC/16u[bSA] ;q}| R|"&U p`0 MPa {o4Uu%#K{u G Vo Ry/ 7|e% =Zq Z •RL5oEnZykCDaZ c * >D 6 Wb
*46qF:* yx}t 6*F}B j\WX WnW= N
@; J~• (hPT J)zh *#pr)( 2{0 FUG7l7q 5KuVhr! ;a7,u O &PR^5k^K: ).Tem5 %j|j | _v#,V5qa wEd|- e@d E#*1M
Uz $%n9 }y•0k " .r4<-s w!}>Uc!}x'o wWq+5 V} +0H mDpen8ce {r8}; 4S?XT0 b |6|
X[v]{FD* Zn M ^p9b _ GJIg8 chE^A N ? ot %}$)R" 2098XgTzaFwÖr3w= Mu n i Wv -Oxc)w6 5: Qu >;Z •RW
|x +N*?}[kzw?q C5 ?K/ 6d + ;v` aeC- @5r\*- 4k&oe9~ Q2_u xQ3 E, ,pV" 6R S e
\ %rYA n!fVaY
tuG*Mb(.)[p ~}a 0l m11 }9DdC*fgl; $29jg8endstream
endobj
```

14 0 obj

3247

endobj

18 0 obj

<</Length 19 0 R/Filter /FlateDecode>>

stream

```
x[W G +t{bYXA\ $y { UMtK"}] >7\~ aBn-{ ]vtXlq95|4l.
KV 6:Nsq{\t h|5o |• + 6 pK
#8 > p ^G |z Ie % Io ;N LRjxvw,H :q^q !S-`=T Sjk8@zKIL#%}KEX2qiXK>^#k;V{9l U{ p 0j};[3 _ -m Wjp B;
{+'8RS1 MA{$0|p$ np3sA
wPIS~WX' Gic 5â' k / T - ~d<jW P N {b• E'+/Q\;x2S ^"

AsCjC|aL E GH +-|L]i$•P n |?NU k
> Z3 h •q ;zf %f4fL1S1?kü| p T` b7q 9kpRl!P~8Oj5]yol-qmÛ z || xU U>a M[ ( pe3 y e5 !x @
; fy;fJn 9C . (|+ u 0#D4fp,fQR w nqTR! m8 >4Le$ 1/11RFW
ngZ(52:ly)Hm, U#i>dl P q!8/8 h
'8 @OpC\ttk] JO S;:z P!
```

gp 3tI GLEu)G)?`2 * q , [|MD; }O
.sMA N * \y } gV aLO y(9 rjX e y GzWA FS "[uIMpF JQ0% S-k Dz; 8T'9 ts[X5
; 1 < W& | R[Df*ZC d ^S " Uv @F E N)d@ a] Ubu j.+T R*D'/s
XNqadr 9=qp|Q T @9; eXnLS8oA h!En^M5
YPV] WuATX~* >2m ` 4vLc 8 1c> !O*"d1Alg 2% ""?<M+Q(/x uGf -ZbN\$ >XRQyvIOH Jk`%8j8
qQ N&6v•|0 E KZy-B ol+" +IO * HUN [9l7 2q&>(L UZ5Kmet8 &•FTRg E\$@ @ @ =N X 8)K ,o\$KcfU
oqBHd*A M\$Y' V2n!!
MJ< U|K9 !Y L|> mnq3
0#3ptZeY/Ru[yu c7`
x (sgj); !cfay6Bq9q] \ N
`k:C =Z; n, \: w<Lx { \$ &\LYfq#2w\
IW -+BH>'bA v< P
='_ *rJ#*
b/ 8 jO \
c0+jUqVd^RDv p\$/J 8d)y E uvW1* >
%7 \E9 v \$DEX5bD y \X S)kP % YoFH av*nQf[v Kpxr\ <d;]f- gS q?m^T"N zN0Hz8SUKP! o [(i fqWORq
DY{9pN'#W eF MY Yb j&`X]} Ewcy_*6&)TB r fyia_S QIU.l-GfG3j "j • vT >C 9bH= #+ h ' uZ|)5) *g R"Y "
P&K4' [WGY +[pNT OB0_ Ru;XG% O•+ kfd UoT!6DM_d]=k?K\$U [mhBR4[*X]wy \Hw}^Ey4`qaf(| S a1j5#
)no1 bj tP\Yf/, s>a_6\$%rc/f-n)
X*
C|-wXX d'q.lsPDJX `~x&t STyc2+e_ Zr< P r3 <;}3 BuVX,Nmr%\$&7?;PuiZJUMno)|uxt2vS; C\90SO
q9*ePRER(M %\N ? ^@Fy Y@7j>"} 56s `+ / endstream
endobj
19 0 obj
3141
endobj
23 0 obj
<</Length 24 0 R/Filter /FlateDecode>>
stream
xT0 ,b 9 iv.Hex
.a
43o 3 |x"{5 X})&wQ @6D zT,{gCI!BB _! ly

* [0 b6 =d,F E x 09 ux5 3 W SV< R Q* X/h*YOe ~: b >:eB@ v %[]o~4 sQ R1#: "f M 4•b S}\ 5 ?oKg
u Il 6 +^9.\$V)M]q z c !#T9) <9 Ty WC w[= wE
7^ `YJWe 4PK-(=(qsQ Q%nm. +JGs *9LS5 kN[4m#rNS\jx Rs , .r^{JAbBzvflU F .\ x4 *-endstream
endobj
24 0 obj
586
endobj
4 0 obj
<</Type/Page/MediaBox [0 0 612 792]
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/Resources<</ProcSet[/PDF /Text]
/ExtGState 10 0 R
/Font 11 0 R
>>
/Contents 5 0 R


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>>
endobj
12 0 obj
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/Resources<</ProcSet[/PDF /Text]
/ExtGState 15 0 R
/Font 16 0 R
>>
/Contents 13 0 R
>>
endobj
17 0 obj
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/Resources<</ProcSet[/PDF /Text]
/ExtGState 20 0 R
/Font 21 0 R
>>
/Contents 18 0 R
>>
endobj
22 0 obj
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/Rotate 0/Parent 3 0 R
/Resources<</ProcSet[/PDF /Text]
/ExtGState 29 0 R
/Font 30 0 R
>>
/Contents 23 0 R
>>
endobj
3 0 obj
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4 0 R
12 0 R
17 0 R
22 0 R
] /Count 4
/Rotate 0>>
endobj
1 0 obj
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>>
endobj
7 0 obj
<</Type/ExtGState
/OPM 1>>endobj
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7 0 R>>
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11 0 obj
<</R9
9 0 R>>
endobj
15 0 obj
<</R7
7 0 R>>
endobj
16 0 obj
<</R9
9 0 R>>
endobj
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9 0 R>>
endobj
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7 0 R>>
endobj
30 0 obj
<</R26
26 0 R/R28
28 0 R>>
endobj
31 0 obj
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xUS
LSW /Z
V AcN' "S ORP S jMo $m #2DA3% 61beAIE(•:lk.d5{{ a&M XGqR$#M XL,>sP ~4 Y, 9 à" B 0eUba]C%%
} `gCoz=Y\N_L `*m- uB•:I_$46!Z #7n%ZDk&]@Pv JFYDh V!
F+h-JG9(eL J[ hIfj w@DwTv ke 4) 's2}c,,oN
dS:HNFUKA•r69rl ; k |Q a0W'eluNv/p[S
g* zj - ( hx9uJh )v fY +?liMy2}. $d f@^xFL`~nN/BM5jb=TMk)rn[ 9
$ $@ Qk e R)VOH (~Av @HG j7-72J5K_q8|=*9*]J> o| \ Uj_! ŪNZ/w:_R } /%T
!:li ;; q PA)8H H&"R',AXE)1$Z!A >:\h7o@ o O o ?(Yn_ Q n K7$BY K&E&<oL$ O$A}as[ pJ oa- vX5oj~u•^
!5kx C O3(1)T>BIXn 7 03~- 32$ L[xG Z fcg #>J?vjU@3 !zsK5}m9#^jr;oR)# z!<.r:UGNe Ok@d
(m/uBGsci g L^4Ne!Z / 6
_&<~x{ }L •x|P{=f:OejL+m
jR:"m=40sD. # &q
```

```
endstream
endobj
32 0 obj
1240
endobj
33 0 obj
<</Subtype/Type1C/Filter/FlateDecode/Length 34 0 R>>stream
xeOJ@ M]0 HK[Hc !z5]T /K( g g`02416'Lz?-qyM+4i<#v^ 1~t(Y0Ou]; m f #@Y5,( #Ae: rsn y4O>pz (
r0~j!q &odi Dp)h@@ Fq iY6Al_A a4mW}QN 5);inVf / <g
endstream
endobj
34 0 obj
286
endobj
35 0 obj
<</Subtype/Type1C/Filter/FlateDecode/Length 36 0 R>>stream
xYy\ eVKT(
\qCIPPQ "{c
FQq E%$.y.I0D\f~s N~/3 }{ }pBd2epR
LE'A E?"pn N2I99>q ; di I W 9oäQ+;z<C6^9 • ~ `<:!!~5 =cbcbi c y""m 9rp/">qEFI<NIF f
J_rq% qC>Z5gsC7 )~ o^ 9#5!f |=
#GG k 7 N x HD sD 1" Hb 1 #F 4& I Bb&1 B,"f CD81 G # D01JnDwBN 3BEC W"M XC 5K] |'_:|8JzUT
rL;|5#4ziZ^#GSOz>r v] At,Wp[TW7WOn nr ]=|4{ xo>oB4uw5 ) ^ B>Ye[t ElQW>hK,Rg0XNV:M Z xp ` LUr!
.l0T IV >]E%B }Hk> Dam) 2]gd GH^ o *C $ E4 &?Q @4VV xl|/53H0
riY$'3l d?X gFPd 0Y|2 .<kp a*P8Cdmj kGC)y7w= { |U|%* OIBV |42 < x7VpR ]X )QPo vFFUEi swjQ37 ]& @ 1
YvFaLof/(vtl j)! M0 • 0Pc*MzK4Cn'Nh8ZF2Iru Z A"_Jq= k U< "vE d'y 0I 7-% B>P>$ QF#1[-c_[J q;
R $F)l)R/H;T_%_~vó W ?W>
j f I S.E
= y}* _ N;yjn2|
"n| "MHD #rT" S"zX-t}Mafg |Ld / V1 2_ Ue7 F; ]' } xy{ xxC 3
nZH K 4yG&c(: ;t#z08>z {EuV/ Q Uy GzO w}'<o 9
B`4 , c7$Ah8*> **_uD bHv)P|J M ~6/
u n_Q $" (#T ED$(i+hw} w:7QtT\r<< }5=s3) vvm 9sG]B7. #RSMF T]m
H ;|A C5xaH
YBe$ Db`Z E'> g ~z w@__' z`
Cx T5Y<8 _ /l)}nJJ8 n-C_s9;G*; cBXz G?~ n0 * c ? y~ x CJ! ; D s
${pm)*! R YG+ *P F x " z ?G@GjofQ a}V•m Ic v
'(, S I Z~f; V Qv!1<•|<+ex cA]&8 cH j •^E4=fx_•TD ?;E -^T[!L (pa8 Q
;ZF Y&
e c nT /XD0 Q*s :[1dUQ'jyTE I!A gH +_6*j`0o e+ >"o=<vs5[nV7ag J1 ss |{,Dw >7-:4 9 q(84_8t TT0 CJ(FX-8^
H:`d 0jiQ:z1b Jp ;)
T SH 0 ; 9 5C5?#

Onk}m kp9hC5e mmcf6sjN[{lv$) v zaHP; 7}RMyy
• + ggh "Tk EWt Hg d .gmR3b7iFOeZ f ra Y3\
g IK g m+L6[TVitg 0Bâ7adP 4 wY=[mO- äK_l^nr-M` }ysvDx_G" M•VQ+#"b6E,},QnYU<XsrA+ ,V" :3goIWIJ@
S" g X fpB c 8Ux2 re >Z]ØGqW \?Y•+\+d2 T
YYy8 gS TMfps6E,^ +( tJ{E+ 9, Tu^ 1HR lz
```

' fmuS3s#,@xu(E •5P]Q+ c P1 rttv X#hOi@ \$ >9F
*DW 01ILLU1&6X}Y 2*qkAS# 5nc'A J3hvA6GW7 oont2n/Pdx nOXU*7•)zv :PBE• ya: i
) {ETI!F \Dqh]* {RTmY !H[mn&a l ' c_ Nf8cJ *wEZt ? |Q V/|•
sQ 4' &; oaf4 Xy1!Be b T~b > 22 HU6 YD VJbY\$.. B ` BS o2kU Z r~ O6'E E, IP?p NETE2It>74\$Z rMq\v(y+
a.U/FGeolK>W BW&U6/ k'NL^~S -•*ps(kBG!oG t3"G {c:'Uv4#<` 3JU 9Y:m | s_yb- :| _.>sM Pt Xd {j N#
/&a5F<k["y 7 ~g \iG PC
U3 0[q[CXx 9?)_
T\$.y1,)nW^r saNht]~IVv\ | (\$ CBkt] (-ED BE"4d U!OO, A#{ N>pN"|2 j R `i"-Ep) A
(o •qP.0 {" Xq "\$!W \ -D.yVO,\~./)H!0
QS\zx~ ?b!iT wJ+ -4•}G= d 3b{0d Z ~'p k7/eR! iOR z
n oK:_mHZVm ^='3_7{ @o z {z -X /U?? ;•'o|Bg ö 6/_b= -9- p,8m} vB% K9m/A v._k6 W2wA t~~Y0ptBcpbK
vlei p@&lk I XU
FM ^ MEgV %*61)num'<q Ean 8cF~ AeqNPP3gsj.O## m= 3.v){ {tf2 9+I 6(T)l + +9%*Y H g` •tS
Icel 5+_c+1L% % Ie&B&@r\$ 4 D ? }J]u#U
\ W;vyu 7SGq3 `Xt-R I}AP9[u Fc(2 q nPY kPI4W !_UF *.JwJC,Pj ~'C'Eb6 teQc2/) 4| 9 =G,1t N`8MŠw Ai,6RX
Y <V |D>MhIfJ&53;(12#S[w |x5j1fM2cK;PN8y [J8&WQeegpI[& Bvw\ H A]b;7ud-'1b4 K;+Vs[3^<|+1 S
&Pvt_ K9) Y*0H[
e)6=I8lc s 5RYt WTj % %EeLizNjIS|F= bl of=y `vNy f E)VwW[
Utr E
A0,mV+)(a=RqM9J9Nkp] W
>Al 1 pCE?l>^yC &E O]4g •o^r x/ X ;Mgq k ELt'7"2A TÒ? V0 zi n_jUz[81 ?h)f[c m6;T mH),*(r4y #
xz R
eL- =F [NNS7 (\$
endstream
endobj
36 0 obj
5918
endobj
26 0 obj
<</BaseFont/DPEOAD+Helvetica/FontDescriptor 25 0 R/Type/Font
/FirstChar 32/LastChar 116/Widths[
278 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 667 0 0 722 0 0 0 0 0 0 0 556 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 500 0 556 0 556 0 222 0 0 222 833 556 0
556 0 333 500 278]
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endobj
28 0 obj
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250]
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endobj
9 0 obj
<</BaseFont/BDKLLP+Courier/FontDescriptor 8 0 R/Type/Font
/FirstChar 32/LastChar 148/Widths[

600 0 600 600 0 0 0 600 600 600 0 0 600 600 600 600
600 600 600 600 600 600 0 600 600 0 600 600 0 0 0 0
0 600 600 600 600 600 600 600 600 600 600 600 600 600 600 600
600 600 600 600 600 600 600 600 600 600 0 0 0 0 0 600
0 600 600 600 600 600 600 600 600 600 600 600 600 600 600 600
600 600 600 600 600 600 600 600 600 600 600 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 600 600 600]
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/StemV 114
/MissingWidth 278
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endobj
27 0 obj
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endobj
8 0 obj
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/CharSet(/four/L/A/y/n/c/X/five/M/B/quotedblright/z/o/d/Y/N/C/p/e/seven/O/D/q/f/eight/P/E/r/g/Q/F/s/h/underscore
/colon/R/G/t/i/semicolon/S/H/u/j/T/l/v/quotesingle/k/U/J/w/quotedblleft/l/a/V/K/x/m/b/W/parenright/space/comma/
hyphen/quotedbl/period/numbersign/slash/zero/one/two/quoteright/three/parenleft)/FontFile3 35 0 R>>
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2 0 obj
<</Producer(GPL Ghostscript 8.15)

/CreationDate(D:20051221104648)
/ModDate(D:20051221104648)
/Title(Microsoft Word - JSIP Spec License.doc)
/Creator(PScript5.dll Version 5.2)
/Author(podohert)>>endobj

xref

0 37

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0000010844 00000 n

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0000012784 00000 n

0000013156 00000 n

0000013176 00000 n

0000019180 00000 n

trailer

<< /Size 37 /Root 1 0 R /Info 2 0 R

/ID [(\\'c6 a)(\\'c6 a)]

>>

```

startxref
21478
%%EOF
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*****
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* "tools" and all subpackages thereof
*****
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*
*
*/

```

4.173 neethi 3.0.1

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4.174 netty-3.2.6 3.2.6.Final

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4.176 org.apache.felix.configadmin 1.2.8

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4.177 org.apache.felix.log 1.0.0

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the

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application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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4.183 picketlink-core 2.1.1.Final

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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4.191 resteasy-jettison-provider 2.3.3.Final

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JAIN(TM) Session Initiation Protocol ("SIP") Specification
("Specification")

Version: 1.0

Status: FCS

Specification Lead: Dynamicsoft ("Specification Lead")

Release: May 25, 2001

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That's all there is to it!

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```
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```
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```

```
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JAIN(TM) Session Initiation Protocol ("SIP") Specification
("Specification")

Version: 1.0

Status: FCS

Specification Lead: Dynamicsoft ("Specification Lead")

Release: May 25, 2001

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4.203 sip-servlets-impl 2.0.0.FINAL

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JAIN(TM) Session Initiation Protocol ("SIP") Specification
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Version: 1.0

Status: FCS

Specification Lead: Dynamicsoft ("Specification Lead")

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```
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4.204 slf4j-api 1.6.1

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4.205 slf4j-ext 1.6.1

4.206 slf4j-jboss-logmanager 1.0.0.GA

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4.207 snakeyaml 1.8

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4.212 staxmapper 1.1.0.Final

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4.229 xmlschema-core 2.0.2

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4.230 xmlsec 1.5.1

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4.231 xnio-api 3.0.3.GA

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*/
```

```
package org.xnio.channels;
```

```
import java.io.IOException;
import org.xnio.ChannelListener;
```

```
/**
```

```
 * A channel which can accept connections.
```

```
 *
```

```
 * @param <C> the channel type
```

```
 *
```

```
 * @author <a href="mailto:david.lloyd@redhat.com">David M. Lloyd</a>
```

```
*/
```

```
public interface SimpleAcceptingChannel<C extends CloseableChannel> extends SuspendingAcceptChannel {
```

```
    /**
```

```
     * Attempt to accept a connection.
```

```
     *
```

```
     * @return the new connection, or { @code null } if none is available
```

```
     * @throws IOException if an I/O error occurs
```

```
     */
```

```
    C accept() throws IOException;
```

```
    /** { @inheritDoc } */
```

```
    ChannelListener.Setter<? extends SimpleAcceptingChannel<C>> getAcceptSetter();
```

```
    /** { @inheritDoc } */
```

```
    ChannelListener.Setter<? extends SimpleAcceptingChannel<C>> getCloseSetter();
```

```
 }
```

```
 /**
```

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```

```
package org.xnio;
```

```
import java.util.AbstractQueue;
import java.util.Collection;
import java.util.Iterator;
import java.util.concurrent.BlockingQueue;
import java.util.concurrent.TimeUnit;
import java.util.concurrent.atomic.AtomicIntegerFieldUpdater;
```

```
/**
```

```
 * @author <a href="mailto:david.lloyd@redhat.com">David M. Lloyd</a>
```

```
*/
```

```
final class LimitedBlockingQueue<E> extends AbstractQueue<E> implements BlockingQueue<E> {
    private final BlockingQueue<E> delegate;
    @SuppressWarnings("unused")
    private volatile int count;
```

```
    private static final AtomicIntegerFieldUpdater<LimitedBlockingQueue> countUpdater =
        AtomicIntegerFieldUpdater.newUpdater(LimitedBlockingQueue.class, "count");
```

```
    LimitedBlockingQueue(final BlockingQueue<E> delegate, final int count) {
        this.delegate = delegate;
        this.count = count;
    }
```

```
    public boolean add(final E e) {
        if (! offer(e)) {
            throw new IllegalStateException();
        }
        return true;
    }
```

```
    public boolean offer(final E e) {
        int count = countUpdater.getAndDecrement(this);
        if (count <= 0) {
            countUpdater.getAndIncrement(this);
            return false;
        }
        if (! delegate.offer(e)) {
            countUpdater.getAndIncrement(this);
            return false;
        }
    }
```

```

    }
    return true;
}

public boolean offerUnchecked(final E e) {
    countUpdater.decrementAndGet(this);
    if (! delegate.offer(e)) {
        countUpdater.getAndIncrement(this);
        return false;
    }
    return true;
}

public void put(final E e) throws InterruptedException {
    throw new UnsupportedOperationException();
}

public boolean offer(final E e, final long timeout, final TimeUnit unit) throws InterruptedException {
    throw new UnsupportedOperationException();
}

public E poll() {
    final E result = delegate.poll();
    if (result != null) countUpdater.getAndIncrement(this);
    return result;
}

public E peek() {
    return delegate.peek();
}

public E take() throws InterruptedException {
    final E result = delegate.take();
    if (result != null) countUpdater.getAndIncrement(this);
    return result;
}

public Iterator<E> iterator() {
    final Iterator<E> iterator = delegate.iterator();
    return new Iterator<E>() {
        public boolean hasNext() {
            return iterator.hasNext();
        }

        public E next() {
            return iterator.next();
        }
    }
}

```



```

    public void remove() {
        iterator.remove();
        countUpdater.getAndIncrement(LimitedBlockingQueue.this);
    }
};
}

public int size() {
    return delegate.size();
}

public E poll(final long timeout, final TimeUnit unit) throws InterruptedException {
    final E result = delegate.poll(timeout, unit);
    if (result != null) countUpdater.getAndIncrement(this);
    return result;
}

public int remainingCapacity() {
    return countUpdater.get(this);
}

public int drainTo(final Collection<? super E> c) {
    final int res = delegate.drainTo(c);
    countUpdater.getAndAdd(this, res);
    return res;
}

public int drainTo(final Collection<? super E> c, final int maxElements) {
    final int res = delegate.drainTo(c, maxElements);
    countUpdater.getAndAdd(this, res);
    return res;
}
}
}
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*/

package org.xnio.streams;

import java.io.IOException;
import java.io.InputStream;

/**
 * An input stream which truncates the underlying stream to the given length.
 *
 * @author <a href="mailto:david.lloyd@redhat.com">David M. Lloyd</a>
 */
public final class LimitedInputStream extends InputStream {
    private final InputStream delegate;
    private long remaining;
    private long mark = -1L;

    /**
     * Construct a new instance.
     *
     * @param delegate the delegate stream
     * @param size the maximum size to pass
     */
    public LimitedInputStream(final InputStream delegate, final long size) {
        this.delegate = delegate;
        remaining = size;
    }

    /** {@inheritDoc} */
    public int read() throws IOException {
        final long remaining = this.remaining;
        if (remaining > 0) {
            final int b = delegate.read();
            if (b > 0) this.remaining = remaining - 1;
            return b;
        } else {
            return -1;
        }
    }

    /** {@inheritDoc} */
    public int read(final byte[] b, final int off, final int len) throws IOException {
        final long remaining = this.remaining;

```

```

    if (remaining == 0L) {
        return -1;
    }
    final int cnt = delegate.read(b, off, (int) Math.min((long)len, remaining));
    if (cnt == -1) {
        return -1;
    }
    this.remaining = remaining - cnt;
    return cnt;
}

/** {@inheritDoc} */
public long skip(final long n) throws IOException {
    final long remaining = this.remaining;
    if (remaining == 0L || n <= 0L) {
        return 0L;
    }
    final long cnt = delegate.skip(Math.min(n, remaining));
    if (cnt > 0L) {
        this.remaining = remaining - cnt;
    }
    return cnt;
}

/** {@inheritDoc} */
public int available() throws IOException {
    return Math.min(delegate.available(), (int) Math.min((long)Integer.MAX_VALUE, remaining));
}

/** {@inheritDoc} */
public void close() throws IOException {
    remaining = 0;
    delegate.close();
}

/** {@inheritDoc} */
public void mark(final int limit) {
    if (markSupported()) {
        delegate.mark(limit);
        mark = remaining;
    }
}

/** {@inheritDoc} */
public void reset() throws IOException {
    final long mark = this.mark;
    if (mark == -1L) {
        throw new IOException("Mark not set");
    }
}

```

```

    }
    delegate.reset();
    remaining = mark;
}

/** {@inheritDoc} */
public boolean markSupported() {
    return delegate.markSupported();
}
}
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 */

package org.xnio.streams;

import java.io.IOException;
import java.io.InterruptedIOException;
import java.io.OutputStream;

/**
 * An output stream which truncates the writable output to the given length. Attempting to exceed the
 * fixed limit will result in an exception.
 *
 * @author <a href="mailto: david.lloyd@redhat.com">David M. Lloyd</a>
 */
public final class LimitedOutputStream extends OutputStream {
    private final OutputStream delegate;
    private long remaining;

```

```

/**
 * Construct a new instance.
 *
 * @param delegate the delegate output stream
 * @param size the number of bytes to allow
 */
public LimitedOutputStream(final OutputStream delegate, final long size) {
    this.delegate = delegate;
    remaining = size;
}

/** {@inheritDoc} */
public void write(final int b) throws IOException {
    final long remaining = this.remaining;
    if (remaining < 1) {
        throw notEnoughSpace();
    }
    delegate.write(b);
    this.remaining = remaining - 1;
}

/** {@inheritDoc} */
public void write(final byte[] b, final int off, final int len) throws IOException {
    final long remaining = this.remaining;
    if (remaining < len) {
        throw notEnoughSpace();
    }
    try {
        delegate.write(b, off, len);
        this.remaining = remaining - len;
    } catch (InterruptedException e) {
        this.remaining = remaining - (e.bytesTransferred & 0xFFFFFFFFL);
        throw e;
    }
}

/** {@inheritDoc} */
public void flush() throws IOException {
    delegate.flush();
}

/** {@inheritDoc} */
public void close() throws IOException {
    delegate.close();
}

private static IOException notEnoughSpace() {
    return new IOException("Not enough space in output stream");
}

```

```

    }
}
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 */

```

```
package org.xnio;
```

```

import java.lang.ref.PhantomReference;
import java.lang.ref.ReferenceQueue;
import java.nio.ByteBuffer;
import java.util.Collections;
import java.util.HashSet;
import java.util.Queue;
import java.util.Set;
import java.util.concurrent.ConcurrentLinkedQueue;
import java.util.concurrent.atomic.AtomicReferenceFieldUpdater;

```

```

/**
 * A buffer pooled allocator. This pool uses a series of buffer regions to back the
 * returned pooled buffers. When the buffer is no longer needed, it should be freed back into the pool; failure
 * to do so will cause the corresponding buffer area to be unavailable until the buffer is garbage-collected.
 *
 * @author <a href="mailto:david.lloyd@redhat.com">David M. Lloyd</a>
 */

```

```
public final class ByteBufferSlicePool implements Pool<ByteBuffer> {
```

```

    private final Set<Ref> refSet = Collections.synchronizedSet(new HashSet<Ref>());
    private final Queue<Slice> sliceQueue = new ConcurrentLinkedQueue<Slice>();
    private final BufferAllocator<ByteBuffer> allocator;

```

```

private final int bufferSize;
private final int buffersPerRegion;

/**
 * Construct a new instance.
 *
 * @param allocator the buffer allocator to use
 * @param bufferSize the size of each buffer
 * @param maxRegionSize the maximum region size for each backing buffer
 */
public ByteBufferSlicePool(final BufferAllocator<ByteBuffer> allocator, final int bufferSize, final int
maxRegionSize) {
    if (bufferSize <= 0) {
        throw new IllegalArgumentException("Buffer size must be greater than zero");
    }
    if (maxRegionSize < bufferSize) {
        throw new IllegalArgumentException("Maximum region size must be greater than or equal to the buffer
size");
    }
    buffersPerRegion = maxRegionSize / bufferSize;
    this.bufferSize = bufferSize;
    this.allocator = allocator;
}

/**
 * Construct a new instance, using a direct buffer allocator.
 *
 * @param bufferSize the size of each buffer
 * @param maxRegionSize the maximum region size for each backing buffer
 */
public ByteBufferSlicePool(final int bufferSize, final int maxRegionSize) {
    this(BufferAllocator.DIRECT_BYTE_BUFFER_ALLOCATOR, bufferSize, maxRegionSize);
}

/** {@inheritDoc} */
public Pooled<ByteBuffer> allocate() {
    final Queue<Slice> sliceQueue = this.sliceQueue;
    final Slice slice = sliceQueue.poll();
    if (slice == null) {
        final int bufferSize = this.bufferSize;
        final int buffersPerRegion = this.buffersPerRegion;
        final ByteBuffer region = allocator.allocate(buffersPerRegion * bufferSize);
        int idx = bufferSize;
        for (int i = 1; i < buffersPerRegion; i++) {
            sliceQueue.add(new Slice(region, idx, bufferSize));
            idx += bufferSize;
        }
        final Slice newSlice = new Slice(region, 0, bufferSize);

```

```

        return new PooledByteBuffer(newSlice, newSlice.slice());
    }
    if (slice == null) {
        throw new PoolDepletedException("Pool is empty");
    }
    return new PooledByteBuffer(slice, slice.slice());
}

private void doFree(Slice region) {
    sliceQueue.add(region);
}

private static final AtomicReferenceFieldUpdater<PooledByteBuffer, ByteBuffer> bufferUpdater =
AtomicReferenceFieldUpdater.newUpdater(PooledByteBuffer.class, ByteBuffer.class, "buffer");

private final class PooledByteBuffer implements Pooled<ByteBuffer> {
    private final Slice region;
    volatile ByteBuffer buffer;

    PooledByteBuffer(final Slice region, final ByteBuffer buffer) {
        this.region = region;
        this.buffer = buffer;
    }

    public void discard() {
        final ByteBuffer buffer = bufferUpdater.getAndSet(this, null);
        if (buffer != null) {
            // free when GC'd, no sooner
            refSet.add(new Ref(buffer, region));
        }
    }

    public void free() {
        if (bufferUpdater.getAndSet(this, null) != null) {
            // trust the user, repool the buffer
            doFree(region);
        }
    }

    public ByteBuffer getResource() {
        final ByteBuffer buffer = this.buffer;
        if (buffer == null) {
            throw new IllegalStateException();
        }
        return buffer;
    }

    protected void finalize() throws Throwable {

```



```

        discard();
        super.finalize();
    }

    public String toString() {
        return "Pooled buffer " + buffer;
    }
}

private final class Slice {
    private final ByteBuffer parent;
    private final int start;
    private final int size;

    private Slice(final ByteBuffer parent, final int start, final int size) {
        this.parent = parent;
        this.start = start;
        this.size = size;
    }

    ByteBuffer slice() {
        return ((ByteBuffer)parent.duplicate().position(start).limit(start+size)).slice();
    }
}

private final class Ref extends PhantomReference<ByteBuffer> {
    private final Slice region;

    private Ref(final ByteBuffer referent, final Slice region) {
        super(referent, QueueThread.REFERENCE_QUEUE);
        this.region = region;
    }

    void free() {
        doFree(region);
        refSet.remove(this);
    }
}

private static final class QueueThread extends Thread {
    private static final ReferenceQueue<ByteBuffer> REFERENCE_QUEUE = new
ReferenceQueue<ByteBuffer>();
    private static final QueueThread INSTANCE;

    static {
        INSTANCE = new QueueThread();
        INSTANCE.start();
    }
}

```

```

private QueueThread() {
    setDaemon(true);
    setName("Buffer reclamation thread");
}

public void run() {
    try {
        final Ref reference = (Ref) REFERENCE_QUEUE.remove();
        reference.free();
    } catch (InterruptedException e) {
        // ignore
    }
}
}
}

```

4.232 xnio-nio 3.0.3.GA

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```

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